

PROJECT NO.: SM 167155-E

APRIL 7, 2017

**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
362 AND 398 NORTH SERVICE ROAD
GRIMSBY, ONTARIO**

PREPARED FOR:

LOSANI HOMES LTD.



BY

**SOIL-MAT ENGINEERS & CONSULTANTS LTD.
130 LANCING DRIVE
HAMILTON, ONTARIO
L8W 3A1**



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SOIL-MAT ENGINEERS & CONSULTANTS LTD.

www.soil-mat.ca info@soil-mat.ca TF: 800.243.1922

Hamilton: 130 Lancing Drive L8W 3A1 T: 905.318.7440 F: 905.318.7455

Milton: PO Box 40012 Derry Heights PO L9T 7W4 T: 905.875.3228



PROJECT NO.: **SM 167155-E**

APRIL 7, 2017

LOSANI HOMES LTD.
430 McNeilly Road, Suite 203
Stoney Creek, Ontario
L8E 5E3

Attention: Cory Giacinti, P.Eng.
Director, Land Development and Engineering

**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
362 AND 398 NORTH SERVICE ROAD
GRIMSBY, ONTARIO**

Dear Mr. Giacinti,

Further to your recent authorization, we have completed the Phase One Environmental Site Assessment ["ESA"] for the above noted property. The assessment included a historical search of various documents (library archive research and aerial photograph overview), records review (environmental compliance, landfill inventory, etc.) and a site reconnaissance of the subject property, which generally follows the protocol of Ontario Regulation 153/04 [as amended].

The Phase One Environmental Site Assessment conducted for this Site consisted of a historical records review, interviews and a site reconnaissance.

At the time of this Report the Site was comprised of an irregular shaped parcel of land occupied by a vacant [partial demolished] commercial building and an operating truck wash facility. The property was formerly occupied by various structures, including a motel on the eastern portion of the Site and a number of dwellings and commercial buildings, including a gasoline outlet, on the western portion of the Site. However, the Phase One ESA research did not reveal any readily available records that indicate any past industrial operations having occurred on the Site.

The lands in the general vicinity of the Site are comprised primarily of residential, commercial, and vacant undeveloped lands that based on the information currently available to SOIL-MAT ENGINEERS are not anticipated to have an adverse environmental impact on the Site.

Based on the findings of the Phase One Environmental Site Assessment, SOIL-MAT ENGINEERS & CONSULTANTS LTD. find the potential of Site contamination to be considered HIGH and therefore recommend that additional investigations ARE required at this time, pending the results of the Ministry of the Environment database search which

will be forwarded to LOSANI HOMES LTD. under a separate cover once they are received in our Office.

Given the results of SOIL-MAT ENGINEERS' Phase Two ESA activities and the noted TankTek Report, a number of areas of potential environmental concern were identified on the Site, including the following:

PHC SOIL IMPACT AREA

As noted in section 2.0 of this Report, a remedial operation in the vicinity of the former underground fuel storage tanks and pump islands was underway at the time of this Report. The results of the remedial operation and post-remediation confirmatory soil sampling were not finalised prior to the completion of this Report. However, once finalised, the results of the remedial operation and confirmatory sampling will be issued under a separate report.

The lateral extent of the soil exhibiting elevated levels of PHCs, on the 398 North Service Road property, is identified on Drawing No.: 2, Appendix A.

PAH SOIL IMPACT AREA

Similar to the above, SOIL-MAT ENGINEERS has been on-site to observe and monitor a remedial operation in connection with the material exhibiting elevated levels of PAH. The results of the remedial operation and post-remediation confirmatory soil sampling were not finalised prior to the completion of this Report. However, once finalised, the results of the remedial operation and confirmatory sampling will be issued under a separate report.

The inferred lateral extent of the soil exhibiting elevated levels of PAH, on the 362 North Service Road property, is identified on Drawing No.: 3, Appendix A.

Furthermore it appears that the elevated PAH levels are isolated to the soil roughly in the upper 0.6 metres throughout the inferred area.

METAL SOIL IMPACT AREA

Similar to the above, SOIL-MAT ENGINEERS has been on-site to observe and monitor a remedial operation in connection with the material exhibiting elevated levels of select Metals. The results of the remedial operation and post-remediation confirmatory soil sampling were not finalised prior to the completion of this Report. However, once finalised, the results of the remedial operation and confirmatory sampling will be issued under a separate report.

The inferred lateral extent of the soil exhibiting elevated levels of select Metals, on the 362 North Service Road, property is identified on Drawing No.: 3, Appendix A.

Furthermore it appears that the soil exhibiting elevated levels of select Metals is isolated primarily to the soil in the upper 0.6 to 0.8 metres throughout the defined impact area.

GROUNDWATER ANALYTICAL DATA

The Phase Two ESA activities undertaken on the Site by SOIL-MAT ENGINEERS did not reveal any PHC groundwater exceedances on the 398 North Service Road property at the sample locations.

The Phase Two ESA activities revealed elevated levels of Sodium, Selenium and Chloride in the groundwater on the 362 North Service Road property. It is anticipated that the elevated Sodium and Chloride levels may be a result of municipal water migrating downward into groundwater or a result of wash water from the truck wash station, particularly during the winter months, on the adjacent 398 North service Road property.

The level of Sodium and Chloride in the groundwater is expected to reduce overtime as operation(s) cease on the 398 North Service Road.

The elevated level of Selenium may be attributed to the slag material encountered on the 392 North Service Road property or may be a result of naturally occurring higher levels in the Shale bedrock.

PROPOSED FUTURE RESIDENTIAL REDEVELOPMENT

Given the proposed future use of the Site [residential], the properties would be subject to a mandatory Record of Site Condition [RSC] filing. In order to complete and file an RSC the properties will need to meet the applicable Ontario Regulation 153/04 [as amended] soil and groundwater standards.

Furthermore, as elevated levels of limited COCs have been noted in the groundwater medium, additional groundwater assessment activities are recommended to further assess the COCs and determine if the elevated results can be considered anomalies.

In addition to the above, although not considered an environmental liability to the Site, given the construction date of the building, it is possible that designated substances, such as asbestos containing materials, and ozone depleting substances, may be present in the buildings. As such, it is recommended that a non-intrusive designated substance survey of the buildings be undertaken before any planned demolition activities that may disturb building materials to identify where possible, designated substances that may be present in the buildings.

In addition to the above, this Office should be contacted if a suspected groundwater well is encountered during future construction activities to make arrangements for the water well to be abandoned as per Ontario Regulation 903 – Water Wells.

We trust that this Phase One Environmental Site Assessment is satisfactory for your purposes.

Our Phase One Environmental Site Assessment findings are presented herein.

1.0 INTRODUCTION

LOSANI HOMES LTD. retained SOIL-MAT ENGINEERS & CONSULTANTS LTD. [SOIL-MAT ENGINEERS] to conduct a Phase One Environmental Site Assessment [ESA] of the property located at 362 and 398 North Service Road in the Town of Grimsby, Ontario, hereinafter referred to as the 'Site'.

1.1 PROJECT SCOPE

The Phase One ESA generally follows the protocol outlined in *Ontario Regulation 153/04 [as amended]*, which suggests a four-step approach to Phase One Environmental Site Assessments, including the following;

1. RECORDS REVIEW: including aerial photographs, property use records, title search, previous Phase One ESA reports, regulatory agency documentation, company records, Site specific geotechnical reports and any other relevant material;
2. SITE VISITATION: including a visual reconnaissance of the Site, suspect adjacent properties, and the different land uses within the vicinity of the Site;
3. INTERVIEWS: including persons that may have pertinent information with regard to the Site, including contacts from the Town of Grimsby, Ministry of Environment and Climate Change [MOECC], and current / previous land owners, etc.;
4. EVALUATIONS: Based on the information gathered, a professional evaluation of the property is presented in a final Phase One ESA Report.

Ontario Regulation 153/04 [as amended] lists fifty-nine [59] potentially contaminating activities [PCAs] that require intrusive assessment activities, i.e. a Phase Two ESA, to determine if an adverse environmental impact is present on the Site if a PCA is found to have occurred on the Phase One ESA Site. In some circumstances a Phase Two ESA may be required if a PCA has occurred on a neighbouring or nearby property within the Phase One ESA study area if deemed necessary by the Qualified Person [QP] overseeing the Phase One ESA. However, it is noted that under *Ontario Regulation 153/04 [as amended]* the mandatory Phase Two ESA activities apply only to properties that are subject to a Record of Site Condition. It is our understanding that this Phase One ESA report is required as a supporting document for the submission of a Record of Site Condition for the Site.

2.0 SITE DESCRIPTION

The Site is comprised of an irregular shaped parcel of land on the north side of the North Service Road between Casablanca Boulevard and Roberts Road in the Town of Grimsby, Ontario.

At the time of this Report, the Site was occupied by a basementless single storey, vacant, commercial building [partial remains of a former restaurant and motel] at the northwest corner of the Site, as well as a basementless single storey truck wash facility at the south-central end of the Site. A drainage channel runs south-north just east of the existing truck wash facility dividing the east and west portions of the property. The eastern portion of the Site is primarily gravel covered with some overgrown grass and weeds at the north and east ends of the Site as well as a soil berm towards the northeast corner of the Site. The western portion of the Site is primarily asphalt and gravel covered with overgrown grass and weeds at the north end of the Site. A former gasoline outlet was located to the west of the truck wash facility. However, a remedial operation was underway at the time of this Report, including in the vicinity of the former underground fuel storage tanks and pump islands, as well as over the eastern portion of the Site. The results of these remediation operations will be summarised and presented in separate reports once they are complete.

The Site was bound to the north by Lake Ontario, to the east by existing residential lands, to the south by the North Service Road and to the west by the North Service Road and vacant undeveloped land.

The legal description of PIN 46007-0016 is "Parcel 16-1, Sec Concession Broken Front Grimsby; Part Lot 16, Concession Broken Front North Grimsby; Part Lots 16 & 17, Concession 1 North Grimsby; Part RDAL Between Lot 16 Broken Front Concession & Lot 16 Concession 1 as Stopped up and Closed by By-Law 511 and Confirmed by By-Law 1199 All Registered as Instrument 3304; Part RDAL Between Lots 16 & 17, Concession Broken Front & 1 North Grimsby, Disposed by By-Law 236 Registered as Instrument RO330866 & Amended by By-Law 115 Registered as Instrument RO330868; Part RDAL Between Lot 17 Broken Front Concession & Lot 17 Concession 1, Stopped up and Closed by By-Law 87-14 Registered as Instrument 535096; All Being Parts 2, 3, 4, 5, 6 & 8, 30R7829 T/W Part Lot 16 Concession Broken Front NGMBY, Lot 16 Concession 1 North Grimsby & RDAL Between Lot 16 Concession Broken Front & Lot 16 Concession 1 North Grimsby Part 7 30R7829 as in NG2683, NG12341 & RO250560; S/T RO425996 Grimsby".

The legal description of PIN 46007-0018 Part Lot 16 Concession Broken Front North Grimsby; Part Lot 16 Concession 1 North Grimsby; Part RDAL Between Concession Broken Front & Concession 1 North Grimsby (Closed by DP3304) as in RO556835; Grimsby".

The geographic coordinates of the Site using a hand held global positioning unit are [NAD 83] 17T 614480E/ 4784830N.

A general site location drawing and overview of the Phase One ESA study area are included in Appendix 'A' for reference.

A summary of Site and on-site structures is presented below.

| Site Feature | Description |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Area of Site | ~1.70 hectares |
| Number of on-site Buildings | A basementless single storey vacant commercial building. A basementless single storey truck wash facility. |
| Approximate Area of Building | Vacant building – Approximately 910m ² Truck Wash – Approximately 690m ² |
| Approximate Date of Construction | Vacant building – between 1934 and 1954 Truck Wash – between 1978 and 1983 |
| Floor Surfaces | No inside access |
| Ceiling Surfaces | No inside access |
| Interior Walls | No inside access |
| Exterior Walls | Vacant building – primarily concrete block Truck Wash – concrete block and metal sheeting |
| Heating/ Cooling | Unknown |
| Landscaped Areas | Sparse landscaped areas were observed along the northern and eastern ends of the Site. |
| Asphalt Covered Areas | Asphaltic-concrete was observed around the truck wash facility and to the west and south of the vacant building |
| Granular Covered Areas | The majority of eastern portion of the Site [east of the drainage swale] as well as the area in the vicinity of the former gasoline outlet. |
| Other Structures | None observed |

2.1 PHASE ONE ESA STUDY AREA

The Phase One ESA Study Area consists of the lands generally in a 250-metre radius from the limits of the Phase One ESA property. These lands are primarily comprised of residential and parklands. The research undertaken during this Phase One ESA did not reveal any information that suggests there is a PCA on one of these lands that may result in an area of potential environmental concern [APEC] on the Phase One ESA property.

2.2 SERVICES AND UTILITIES

The following services are available in the general vicinity of the Site:

- Natural Gas
- Electrical
- Municipal Water Supply
- Storm Water Sewers
- Sanitary Sewers

2.3 GEOLOGIC SETTING

A review of the Ministry of Northern Development and Mine's "Quaternary Geology of the Grimsby Area, Southern Ontario Sheet Map P0993" and the "Paleozoic Geology of the Grimsby Area, Southern Ontario Sheet Map M2343", revealed the Site to be underlain by clayey silt-clay 'till', in turn, underlain by Upper Ordovician Queenston Formation shale bedrock.

The project area is generally flat and level with surface water being directed primarily to several on-site catch basins, to the south towards a drainage ditch along the North Service Road, to the drainage channel running south-north through the Site, and ultimately to the north towards Lake Ontario.

Regional groundwater flow is expected to the north-northeast towards Lake Ontario.

Surface water was observed in a drainage swale that bisects the Site. In addition, Lake Ontario is present immediately north of the Site.

Aside from the above, there are no water bodies in the Phase One ESA Study Area.

2.4 DESCRIPTION OF ADJACENT LAND USE

The adjacent properties are comprised of a residential, vacant lands, and Lake Ontario.

A description of the adjacent properties, based on visual observations made from the Site, is presented below:

| | North | East | South | West |
|----------------------------------------------------------------|---------------|-------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Adjoining Property/ Operation | Lake Ontario | Residential | North Service Road | North Service Road / Vacant Land |
| Potential Hazardous Materials | None observed | None observed | None observed | None observed |
| Potential Storage Tanks | None observed | None observed | None observed | None observed |
| Direction with respect to the inferred ground water flow | Down-gradient | Trans-gradient | Up-gradient | Trans-gradient |
| General Vicinity | Lake Ontario | Grimsby Water Treatment Plant | QEW / commercial [Refuel Gas Bar, Rona, Real Canadian Superstore] | Residential, QEW on/off ramp, Casablanca Boulevard, vacant land |

With respect to Refuel Gas Bar listed above, although this property is located up-gradient from the Site, given the distance between this property and the Site [approximately 220 metres south-southwest], as well as the low permeability of the native soils and underground municipal services on the North and South Service Roads, an adverse environmental impact to the Site originating from this property is considered remote.

With respect to the Grimsby Water Treatment Plant listed above, given the location of this property to the Site with respect to the inferred ground water flow direction [trans-gradient] and the distance between this property and the Site [approximately 120m east], an adverse environmental impact to the Site from this property is considered remote.

Aside from the above, the visual observations of the adjoining lands did not reveal any other obvious PCAs on the subject properties.

3.0 HISTORICAL RECORDS REVIEW

3.1 SITE INTERVIEWS AND RECORDS REVIEW

There were no existing Site records available for viewing at the time of the Site reconnaissance.

3.2 AERIAL PHOTOGRAPHS

Aerial photographs from 1934, 1954, 1960, 1965, 1972, 1978, 1983, 1989, 1994, 2000, 2010, and 2016 were available for the Site and surrounding lands and were reviewed by SOIL-MAT ENGINEERS.

A summary of information obtained from the photographs is presented below:

| Aerial Photo | Site Description | Description of Adjacent Lands |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1934 [1:9,600] | The Site is comprised primarily of vacant agricultural land with two buildings located toward the north end of the Site and greenhouses occupying the northwest corner of the Site. | The surrounding lands are comprised primarily of vacant agricultural land with some orchards and wooded lands. |
| 1954 [1:6,600] | The greenhouses and one building are no longer present at the northwest corner of the Site. The current building is now present along with the demolished portion on the east end of the Site building. In addition, there is a building towards the southwest corner of the Site, as well as a building towards the southeast corner of the Site. | Aside from the QEW, located to the south of the Site, there are no significant changes to the surrounding lands. |
| 1960 [1:9,000] | There are no significant changes to the Site. | There are no significant changes to the surrounding lands. |
| 1965 [1:7,300] | There are four [4] buildings now present at the centre of the Site towards the north end. Aside from this, there are no significant changes to the Site. | There are no significant changes to the surrounding lands. |
| 1972 [1:5,900] | There are no significant changes to the Site. | A new QEW interchange is present to the west of the Site. With the exception of the above, there are no significant changes to the surrounding lands. |
| 1978 [1:6,050] | Aside from a small addition to the building towards the southeast corner of the Site, there are no significant changes to the Site. | With the exception of limited residential development to the distant south-southwest, and limited commercial development to the distant southeast, there are no significant changes to the surrounding lands. |

| Aerial Photo | Site Description | Description of Adjacent Lands |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 1983 [1:9,850] | Three of the buildings at the north end of the Site are no longer present. In addition, the gasoline outlet and the current truck wash building are now present on the Site. | There are no significant changes to the surrounding lands. |
| 1989 [1:7,550] | The building at the southwest corner has been demolished. With the exception of the above, there are no significant changes to the Site. | There are no significant changes to the surrounding lands. |
| 1994 [1:8,650] | The buildings at the east end of the Site are no longer present. | With the exception of the Water Treatment Plant present to the east of the Site, there are no significant changes to the surrounding lands. |
| 2000 [1:9,400] | There are no significant changes to the Site. | There are no significant changes to the surrounding lands. |
| 2010 [1:5,600] | There are no significant changes to the Site. | There is residential and commercial development to the distant south. |
| 2016 [1:5,300] | The gasoline service station at the south end of the Site and a portion of the building at the northwest corner of the Site have been demolished. | There are no significant changes to the surrounding lands. |

The aerial photographs revealed three [3] historical/current buildings on the Site that are considered PCAs that may result in an APEC on the Site. These buildings/operations include the following:

1. The historical presence of greenhouses on the Site is considered a PCA. The contaminants of potential concern [COPC] associated with this PCA are OC Pesticides [OCs];
2. The historical presence of a gasoline fuel outlet is considered a PCA. The COPCs associated with the PCA are Petroleum Hydrocarbons [PHCs];
3. The presence of the existing truck wash facility is considered a PCA. The COPCs associated with this PCA are PHCs, Volatile Organic Compounds [VOCs] and Metals.

The aerial photographs are included in Appendix 'B' for reference.

3.3 TOPOGRAPHIC MAPS

Readily available topographic maps for the Site and Phase One ESA study area were reviewed as part of this Phase One ESA and revealed the following information:

| Map Year [Scale] | Site Description | Description of Surrounding Lands |
|---------------------|------------------------------------------------|---------------------------------------------------------------------------|
| 1907 [1:63,360] | There is one building illustrated on the Site. | The Phase One ESA Study Area is comprised primarily of undeveloped lands. |

| Map Year [Scale] | Site Description | Description of Surrounding Lands |
|------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1938 [1:63,360] | There is one building illustrated on the Site. In addition, there are greenhouses illustrated at the northwest corner of the Site. | The Phase One ESA Study Area is comprised primarily of undeveloped lands. |
| 1968 [1:50,000] | There are nine [9] buildings illustrated on the Site. | The Phase One ESA Study Area is comprised primarily of undeveloped lands with some developed lands. |
| 1996 [1:50,000] | There are six [6] buildings, with two [2] of the buildings being Motels illustrated on the Site. | The Phase One ESA Study Area is comprised primarily of undeveloped lands with some developed lands and the QEW interchange to the west. |

Aside from the illustrated greenhouses on the western portion of the Site, the review of the topographic maps did not reveal any specific PCAs that may cause an APEC on the Site.

A copy of the topographic maps is included in Appendix 'C' for reference.

3.4 HISTORICAL SITE USE AND CONDITIONS/ PAST LAND USES

The Vernon City Directory series were reviewed to establish the general historical land use on and in the immediate vicinity of the Site. However, to date, the Vernon City Directory series does not include the general vicinity of the Site.

3.5 TITLE SEARCH

A representative of SOIL-MAT ENGINEERS undertook a title search of the Site at the Land Registry Office in St. Catharines, Ontario.

The title search of the Site did not reveal any past owners of the Site that may suggest there is a potential environmental liability on the Site.

The Site was owned by Losani Homes (1998) Ltd. at the time of the title search.

The chain of previous ownership is presented below:

| Owner – PIN 46007-0016 | Date |
|------------------------------------------------------------|---------------------------------------|
| Losani Homes (1998) Ltd. | September 24, 2015 – Present |
| Fifth Wheel Corporation & King Pin Ltd. | May 30, 1985 – September 24, 2015 |
| Sipco Oil Ltd. & King Pin Ltd. | February 28, 1985 – May 30, 1985 |
| Sipco Oil Limited | November 12, 1980 – February 28, 1985 |
| J. Stevens Enterprises Ltd. | July 25, 1978 – November 12, 1980 |
| Casablanca Motor Hotel (1972) Ltd. | August 14, 1972 – July 25, 1978 |
| Cecil R. Day Holdings Ltd. | August 23, 1963 – August 14, 1972 |
| Cecil R. Day | April 7, 1931 – August 23, 1963 |
| London Loans Assets Ltd. | October 9, 1925 – April 7, 1931 |
| Matthew Ofield, Eva Ofield, Orland Ofield, & George Ofield | October 2, 1917 – October 9, 1925 |
| Eva Ofield | October 14, 1901 – October 2, 1917 |

| Owner – PIN 46007-0016 | Date |
|------------------------|--------------------------------------|
| George Morris | February 18, 1895 – October 14, 1901 |
| Salore Woolverton | Unknown – February 18, 1895 |
| Lewis Woolverton | August 5, 1829 – Unknown |
| Jonathan Woolverton | April 5, 1803 – August 5, 1829 |
| John Smith | July 10, 1801 – April 5, 1803 |
| Crown | Up to July 10, 1801 |

| Owner – 46007-0018 | Date |
|--------------------------------------|------------------------------------|
| Losani Homes (1998) Ltd. | September 24, 2015 – Present |
| Fifth Wheel Corporation | May 28, 1998 – September 24, 2015 |
| Fuel Saver Corporation | Unknown – May 28, 1998 |
| The Hunt Motor Hotel Ltd. | January 24, 1988 – Unknown |
| Aquarius Inns Ltd. | June 30, 1970 – January 24, 1988 |
| Theodore Paul | December 10, 1969 – June 30, 1970 |
| Blue Water Inn Ltd. | May 5, 1967 – June 30, 1970 |
| Earle K. Hunter & Kathleen E. Hunter | July 24, 1966 – May 5, 1967 |
| James Ruggi & Annie Ruggi | April 2, 1948 – July 24, 1966 |
| Agricultural Development Board | February 8, 1924 – April 2, 1948 |
| Arthur T. Davies & Edward A. Davies | March 11, 1922 – February 8, 1924 |
| Paul Whyte | May 12, 1914 – March 11, 1922 |
| George C. Whyte | May 13, 1911 – May 12, 1914 |
| Wilfred B. Woolverton | December 21, 1905 – May 13, 1911 |
| Lewis Woolverton | August 5, 1829 – December 21, 1905 |
| Jonathan Woolverton | April 5, 1803 – August 5, 1829 |
| John Smith | July 10, 1801 – April 5, 1803 |
| Crown | Up to July 10, 1801 |

A copy of the title search is included in Appendix 'D' for reference.

3.6 FIRST DEVELOPED USE OF SITE

Based on the available information compiled during the completion of this Report, the first developed use of the Site was before 1907 as residential lands.

3.7 PREVIOUS PHASE ONE AND TWO REPORTS

SOIL-MAT ENGINEERS contacted the Town of Grimsby Planning Department to request a copy of previous environmental reports for the Site that may be on file with the Town. However, the results were not available during the completion of this Report, and will be sent under a separate cover as soon as they are received in our Office.

A copy of SOIL-MAT ENGINEERS' correspondence with the Town of Grimsby is included in Appendix 'E' of this Report for reference.

In addition, a search of the MOE's *Brownfields Environmental Site Registry* did not reveal a previous Phase One ESA that may have been undertaken on the Site.



TankTek Environmental Services Ltd. (TankTek) was retained by the Fifth Wheel Corporation to complete a series of subsurface environmental investigations. The results were presented to Fifth Wheel Corporation under TankTek's Reference No. TT02856.1-3 & TT03414.1, dated May 28, 2015 and were released to Losani Homes Ltd. as part of a potential land transfer agreement.

In addition to the above, SOIL-MAT ENGINEERS' was retained by Losani Homes Ltd. to undertake a 'desktop' review of the TankTek report. Our desktop review of the TankTek report revealed impacts to the soil medium for the COPCs PHCs, Polycyclic Aromatic Hydrocarbons [PAH] and Metals.

Given the above, SOIL-MAT ENGINEERS was retained by Losani Homes Ltd. to undertake limited Phase Two ESA activities on the Site to further delineate the lateral and vertical extent of the COCs identified in the TankTek report and to provide groundwater testing for select COPCs. Our Phase Two ESA activities included the advancement of a total of sixteen [16] boreholes with seven [7] of the boreholes equipped with a groundwater monitoring well.

As noted above, the boreholes were advanced on the Site to further delineate the extent of the PHC, PAH and Metal impacts to the soil medium and to assess potential impacts to the groundwater medium on the Site for the same COPC groupings. The results of these investigations were reported to LOSANI HOMES LTD. under SOIL-MAT ENGINEERS' Report No.: SM 156180-E, dated September 2, 2015.

In total, thirty two [32] soil samples were secured from the Site to assess potential impacts on the Site. The secured soil samples were submitted to AGAT for laboratory analytical testing.

In most cases, the laboratory analytical test results for the submitted soil samples met the applicable Table 3 and Table 9 [RPI] Standards for the select tested parameters, being less than the laboratory method detection limits in many cases. Borehole Nos. 1 and 3 exceeded Table 9 for Metals and Inorganics and Borehole No. 9 exceeded Table 3 [RPI] for PHCs. Borehole No. 9 exceeded the Table 9 [RPI] Coarse Texture (CT) but passed Table 9 [RPI] Medium Fine Texture (MFT). A grain size analysis would have to be performed to confirm soil texture.

Free groundwater was encountered in Borehole Nos. 4 at a depth of 0.6 metres upon completion of drilling activities. The remaining boreholes were recorded as 'dry' upon completion. It is noted that insufficient time would have passed for the static groundwater level to stabilize in the open boreholes. Furthermore, the groundwater encountered in the above noted borehole is most likely the result of infiltration via permeable layers within the upper fill material. Groundwater monitoring wells were installed in Borehole Nos. 1, 2, 3, 9, 12, 13, and 17 for future monitoring of the static groundwater level and environmental sampling of the on-site groundwater. These will be referred to as Monitoring Well Nos. 1, 2, 3, 9, 12, and 13, with each Monitoring Well corresponding to the Borehole Numbers.

A groundwater sample was secured on August 13, 2015 from the seven [7] existing monitoring wells installed on the Site.

The laboratory analytical test results for the submitted ground water samples were all below the Table 3 RPI Standards for the PHC tested parameters. Monitoring Well No. 2 had reported exceedances of the Table 3 Groundwater Standards for select parameters in the Metal grouping.

When compared with the more stringent standards, Monitoring Well Nos. 1 and 3 had exceedances of the Table 9 Groundwater Standards for Metal grouping.

It is noted that depending on the proposed development plan for the Site, portions of the Site may be subject to the less stringent Table 3 Site Condition Standards, while portions of the Site may be subject to the more stringent Table 9 Site Condition Standards. The deciding factor is the proximity of lands to a water body, including both Lake Ontario and the existing drainage swale on the Site.

A borehole location plan drawing is included in Appendix 'A' for reference.

3.8 LANDFILL SITE DIRECTORY

A review of the Ministry of Environment and Energy's "Waste Disposal Site Inventory", June 1991, indicates no active and one inactive landfill site within a 2km radius of the Site.

A list of the landfill properties is provided below for reference.

| MOE Site No. | Municipality | Location | Date Closed | Class | Distance to Site |
|--------------|--------------|-------------------|-------------|-------|------------------|
| X 0064 | Grimsby | End of Casablanca | 1942 | A7 | 0.44km W |

With respect to the inactive waste disposal sites, class 'A7' sites are registered to receive municipal and domestic wastes and are located in an urban setting. In the case of the class 'A7' waste disposal site listed above, given the location of this property to the Site with respect to the inferred ground water flow direction [trans-gradient] and the distance between this property and the Site an adverse environmental impact to the Site from this property is considered remote.

It is noted that not all of the inactive and active landfill sites are listed in the document. It is noted that although the waste disposal site inventory is very comprehensive not all of the inactive landfill sites are listed in the inventory.

In addition, no Municipal Coal Gasification Plants or Coal Tar Distillation Plants were in operation in the area.

3.9 FIRE INSURANCE MAPPING (UNDERWRITER'S BUREAU LIMITED)

The Underwriter's Survey Bureau Limited Fire Insurance Plans were reviewed for the purpose of identifying structures, building materials and/ or underground storage tanks that may have been present on/ or near the Site. However, the Plans [to date] do not include the general vicinity of the Site.

3.10 REVIEW OF MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE DATABASE

The Ministry of Environment's Freedom of Information and Protection of Privacy Office was contacted to determine if any spills have been reported in the area of the Site, if any buried tanks are recorded to be on-site, or if there are any orders and/or notices on file outstanding against the Owner of the Site. The results of the Ministry Search were not available during the completion of this Report.

However, the MOECC results will be sent under a separate cover as soon as they are received in our Office [typically 1 to 2 months].

SOIL-MAT ENGINEERS' MOECC database search request is attached in Appendix 'F' for reference.

3.11 SITE SPECIFIC GEOTECHNICAL REPORTS

SOIL-MAT ENGINEERS were retained by LOSANI HOMES LTD. to undertake a Geotechnical Investigation of the Site. The investigation included the advancement of fourteen [14] sampled boreholes to depths ranging from approximately 3.5 to 11.3 metres below ground surface on January 6 and 7, 2016. The results of the investigation were reported to LOSANI HOMES LTD. under our Project Number: SM 156461-G, dated January 15, 2016 and are summarized below.

Pavement Structure

Borehole Nos. 101 to 109 were advanced through the existing pavement structure, which was found to consist of approximately 50 to 115 millimeters of asphaltic concrete over 200 to 600 millimeters of compact granular base. In Borehole Nos. 102 and 103, an additional 50 millimeters of loose gravel was encountered overlying the pavement structure. Borehole Nos. 110 to 113 were noted to consist of approximately 300 to 600 millimeters of surficial granular material.

Topsoil

Borehole No. 114 was advanced through the landscaped area north of existing building, where a surficial veneer of topsoil approximately 600 millimetres in thickness was encountered. It is noted that the depth of topsoil may vary across the site and from the depth encountered at the borehole location. It is also noted that the term 'topsoil' has been used from a geotechnical point of view, and does not necessarily reflect the material's nutrient content or ability to support plant life.

Silty Clay Fill

Silty clay fill was encountered beneath the pavement structure in Borehole Nos. 107, 109, 110, and 111. This cohesive fill was brown to reddish brown in colour, contained some sand and trace fine gravel, occasional organic occlusions and staining, and was generally stiff to very stiff in consistency. The silty clay fill was encountered to approximate depths of 1.1 to 1.4 metres.

Silty Sand Fill

Silty sand fill was encountered beneath the silty clay fill in Borehole Nos. 107 and 109. The silty sand fill was reddish brown in colour with trace clay, fine gravel, and debris, and was generally in a loose to compact state. The layer of silty sand fill was proven to depths of approximately 1.8 metres beneath the existing surface at both borehole locations.

Silty Sand

Silty sand was encountered beneath a layer of silty clay in Borehole No. 16 from our Phase Two ESA work, at a depth of approximately 0.5 metres and proven to a depth of approximately 3.5 metres beneath the existing ground surface. It is noted that the silty sand encountered at this location did not appear to be fill, and was not encountered in other adjacent boreholes. As such, this may be an isolated pocket or narrow drainage feature to Lake Ontario, and may be encountered at other areas during construction.

Silty Clay

Native silty clay was encountered beneath the pavement structure, topsoil, and/or fill material at all borehole locations. The native cohesive soil was brown to grey in colour, contained traces of fine gravel and shale fragments, generally very stiff to hard in consistency. The upper levels of the silty clay soils generally exhibited a 'reworked' appearance, in particular where encountered just beneath the pavement structure. The native silty clay was proven to depths of between 3.7 and 10.6 metres in Borehole Nos. 101, 103, 104, 105, 111, 112, and 113, and to termination at all other borehole locations.

Queenston Shale

Queenston shale was encountered in beneath the silty clay in Borehole Nos. 101, 103, 104, 105, 111, 112, and 113, as well as in Borehole Nos. 9, 12, 13 and 17 in our Phase II ESA investigations. The Shale was encountered at depths of approximately 3.6 to 10.7 metres below the existing grade. Evidently the Shale is shallowest along the south and west of the site, stepping down to the east and north. The shale is red, with occasional more resistant grey layers, and highly weathered in the upper levels, exhibiting the properties of very stiff to hard cohesive soil, becoming sounder and less weathered with depth. The bedrock was not cored as part of this investigation.

Groundwater Observations

All of the boreholes were recorded as 'dry' upon completion of drilling, with the exception of Borehole No. 105 which was recorded as 'wet' at a depth of approximately 4.1 metres beneath the existing surface. It should be noted that insufficient time would have passed for the static groundwater level to stabilise in the open boreholes in the low permeability cohesive soils.

A borehole location plan drawing is included in Appendix 'A' for reference.

3.12 ECOLOG ERIS REPORT

A review of historical records and regulatory agency databases was completed for the Site and lands located within 250 metres from the boundaries of the Phase One ESA Site. The report includes information from the following sources:

- Abandoned Aggregate Inventory
- Aggregate Inventory
- Borehole
- Certificates of Approval
- Environmental Registry
- ERIS Historical Searches
- Fuel Storage Tanks
- Ontario Regulation 347 Waste Generators Summary
- Private and Retail Fuel Storage Tanks
- Record of Site Conditions
- Ontario Spills
- Water Well Information Systems

The EcoLog ERIS database search report revealed limited PCAs on nearby properties. However, given the location of these properties to the Site with respect to the inferred groundwater flow direction and distance between these properties and the Site, as well as the low permeability of the native soils and underground municipal services on the North Service Road and South Service Road, an adverse environmental impact to the Site is considered remote.

A copy of the EcoLog ERIS Report is included in Appendix 'G' for reference.

3.13 PCB STORAGE INVENTORY

A review of the Ministry of Environment and Energy's "Ontario Inventory of PCB Storage Sites", October, 1991, indicated the following Sites:

| Company | Site Number | Address | Major/Minor Site | Distance to Site |
|-----------------------------------|-------------|------------------|------------------|------------------|
| Grimsby Hydro Electric Commission | 20388A236 | 231 Roberts Road | Minor | 0.53km SE |

With respect to the PCB Storage Site listed above, given the location of this property to the Site with respect to the inferred ground water flow direction [trans-gradient], and the distance between this property and the Site an adverse environmental impact to the Site from this property is considered remote.

It is noted that although the inventory is very comprehensive not all of the storage sites are listed in the inventory.

4.0 SITE RECONNAISSANCE

A site reconnaissance was carried out on December 7, 2016 by a representative of this Office. The weather conditions at the time of the December 7, 2016 site reconnaissance did not limit the visual observations of the Site.

A summary of the reconnaissance is provided below.

4.1 FLAMMABLE LIQUIDS

There was no visual evidence of flammable liquids maintained on-site during the Site visit.

Based on our visual observations during the reconnaissance, flammable liquids are not considered an issue at this time.

4.2 POLYCHLORINATED BIPHENYLS [PCBs]

The use of PCBs in electrical equipment, such as hydroelectric transformers, fluorescent lamp ballast and capacitors, was phased out circa 1980.

There was no visual evidence of PCBs maintained on-site during the Site visit. However, given the construction date of the site buildings, [between 1934 and 1954, and between 1978 and 1983], it is possible that PCB containing electrical equipment are present in the buildings.

4.3 ASBESTOS CONTAINING MATERIALS [ACMs]

ACMs are typically found in construction materials used in buildings constructed prior to 1985.

Friable asbestos is described as ACMs that can be crumbled, crushed or broken into a powder with little force [such as hand pressure]. Friable asbestos is typically found in boiler and pipe insulation and spray fireproofing materials in buildings constructed prior to 1985.

Non-friable asbestos is described as ACMs that cannot be crumbled, crushed or broken with little force. Non-friable asbestos is typically found in construction materials such as vinyl floor tiles, roofing tars, ceiling tiles, and asbestos cement, etc.

There was no visual evidence of ACMs maintained on-site during the Site visit. However, given the construction date of the site buildings [between 1934 and 1954, and between 1978 and 1983], it is possible that ACMs are present in the buildings.

4.4 UREA-FORMALDEHYDE FOAM INSULATION [UFFI]

UFFI was historically used as an insulating agent in residential and commercial buildings constructed prior to the early 1980's.

There was no visual evidence of urea-formaldehyde foam insulation maintained on-site during the Site visit. However, given the construction date of the site buildings, [between 1934 and 1954, and between 1978 and 1983], it is possible that UFFI is present in the buildings.

4.5 OZONE-DEPLETING SUBSTANCES [ODSs]

The production and use of Chlorofluorocarbons [CFCs] in Canada ceased circa 1993, however, their use in existing equipment is still permitted provided that the equipment is serviced by a licensed contractor and that the equipment is sealed and does not allow the release of CFCs into the environment during operation or servicing.

There was no visual evidence of ozone-depleting substances maintained on-site during the Site visit. However, given the construction date of the site buildings [between 1934 and 1954, and between 1978 and 1983], it is possible that ODSs are present in the buildings.

4.6 LEAD-BASED PAINTS

The use of lead based paints on interior and exterior surfaces susceptible to deterioration and paint flaking was phased out circa 1976, however, some paint that manufactured between 1976 and 1980 has been found to contain trace levels of lead.

There was no visual evidence of lead-based paints maintained on-site during the Site visit. However, given the construction date of the site building [between 1934 and 1954, and between 1978 and 1983], it is possible that lead-based paints are present in the buildings.

Various industrial paints may still contain concentrations of lead.

4.7 FUEL STORAGE TANKS

As noted in Section 2.0 of this Report, a remedial operation was on-going at the time of this Report. The remedial operation was associated with the former underground fuel storage tanks and pump islands on the Site.

With the exception of the above, the reconnaissance of the Site did not reveal any obvious visual evidence of a suspected underground or aboveground fuel storage tank.

A waste water/oil separator was observed to the east of the existing truck wash facility. It is noted that intrusive sampling has not been conducted in the vicinity of this feature [to date] due to existing buried and overhead utilities and site restrictions as the truck wash facility was still in operation at the time of the previous investigations.

4.8 GROUND WATER WELLS OR CISTERN

The reconnaissance of the Site did not reveal any obvious visual evidence of a suspected ground water well or cistern.

A review of the MOECC water well records revealed one potable ground water well and one monitoring well on the Phase One ESA Site.

The ground water well was reportedly 15.2 metres in depth. The monitoring well was reportedly 6.1 metres in depth. Of note, the reconnaissance of the Site did not reveal any visual evidence of the potable ground water well or monitoring well.

In addition to the above, the MOECC well records did not reveal any potable ground water wells or monitoring wells within the general Phase One ESA study area.

4.9 SUSPECTED FILL MATERIAL

With the exception of a soil berm located toward the northeast corner of the Site, and the sand and gravel surface fill over the eastern portion of the Site, the reconnaissance of the Site did not reveal any obvious visual evidence of significant fill material on the Site.

4.10 SURFACE STAINING

The reconnaissance of the Site did not reveal any areas that exhibited significant surface staining.

4.11 UNUSUAL ODOURS

The reconnaissance of the Site did not reveal any areas that exhibited unusual odours.

4.12 UNHEALTHY OR DAMAGED VEGETATION

The reconnaissance of the Site did not reveal any areas of apparent unhealthy or damaged vegetation.

4.13 SURFACE WATER

With the exception of a drainage swale that bisects the Site, surface water was not encountered on the Site during the Site reconnaissance.

Lake Ontario is present to the immediate north of the Site. With the exception of Lake Ontario, no other surface water bodies were observed in the Phase One ESA Study Area.

4.14 WASTE GENERATION, STORAGE AND DISPOSAL

A lugger bin [metal roll off bin] was observed to the southeast of the truck wash facility. The bin appeared to be utilised for typical domestic waste.

With the exception of the above, the reconnaissance of the Site did not reveal any waste generation, storage and/or disposal.

4.15 UNIDENTIFIED SUBSTANCES

The reconnaissance of the Site did not reveal any unidentified substances.

4.16 ADJACENT PROPERTIES

The adjacent properties are comprised of primarily of vacant undeveloped land, residential, and Lake Ontario.

The visual observations of the adjacent properties did not reveal the presence of typical items of concern, including but not limited to:

- aboveground fuel storage tanks;
- vent/fill pipes associated with underground storage tanks;
- chemical storage in aboveground tanks, drums, containers, etc.;
- sheens on surface/ ponded water, and;
- areas exhibiting significant surface stains or unusual odours.

All observations were made from select portions of the Site that presented views of the neighbouring lands. It was not possible to have a complete view of all the neighbouring lands due to visual obstructions caused by existing structures, trees, fence lines etc.

5.0 INTERVIEWS

A representative of SOIL-MAT ENGINEERS contacted a number of regulatory agencies and other persons having a direct knowledge of the Site.

The findings of each interview are presented below.

5.1 THE MINISTRY OF THE ENVIRONMENT AND CLIMATE CHANGE

The MOECC was contacted to gather information with regard to the Site. SOIL-MAT ENGINEERS had not received the pertinent information from the MOECC at the time of this Report. However, the results will be sent under a separate cover as soon as they are received in this Office.

5.2 THE TOWN OF GRIMSBY – PLANNING DEPARTMENT

SOIL-MAT ENGINEERS contacted the Town of Grimsby Planning Department to request a copy of previous environmental reports for the Site that may be on file with the Town. However, the results were not available during the completion of this Report, and will be sent under a separate cover as soon as they are received in our Office.

Our e-mail correspondence with the City is included in Appendix 'E' of this Report for reference.

5.3 TECHNICAL STANDARDS AND SAFETY AUTHORITY (FUELS SAFETY BRANCH)

SOIL-MAT ENGINEERS contacted Ms. Suman Guram of the T.S.S.A. to undertake a search of the Site and neighbouring properties for the registered presence of any underground storage tanks on these properties. The T.S.S.A has a record of the following on the Site:

- **398 North Service Road.** There are records of six [6] active liquid fuel tanks and one active gas station on the property. Given this, the underground fuels tanks and the active gas station are considered PCAs. The COPCs associated with these PCAs are Petroleum Hydrocarbons [PHCs].

In addition to the above, the T.S.S.A. has a record of the following:

- **300 North Service Road.** There is a record of one active liquid fuel tank approximately 120 metres east from the Site. Given the location of this property to the Site with respect to the inferred ground water flow direction [trans-gradient] and the distance between this property and the Site, an adverse environmental impact to the Site from this property is considered remote.

It is however noted that the T.S.S.A. does not have records of USTs installed prior 1987. In addition, "private use" USTs were not registered with the agency until 1990, and even then many owners of "private use" USTs do not register the tanks with T.S.S.A.

The e-mail correspondence with the T.S.S.A. is included in Appendix 'H' for reference.

6.0 SUMMARY & RECOMMENDATIONS

The Phase One Environmental Site Assessment conducted for this Site consisted of a historical records review, interviews and a site reconnaissance.

At the time of this Report the Site was comprised of an irregular shaped parcel of land occupied by a vacant [partial demolished] commercial building and an operating truck wash facility. The property was formerly occupied by various structures, including a motel on the eastern portion of the Site and a number of dwellings and commercial buildings, including a gasoline outlet, on the western portion of the Site. However, the Phase One ESA research did not reveal any readily available records that indicate any past industrial operations having occurred on the Site.

The lands in the general vicinity of the Site are comprised primarily of residential, commercial, and vacant undeveloped lands that based on the information currently available to SOIL-MAT ENGINEERS are not anticipated to have an adverse environmental impact on the Site.

Based on the findings of the Phase One Environmental Site Assessment, SOIL-MAT ENGINEERS & CONSULTANTS LTD. find the potential of Site contamination to be considered HIGH and therefore recommend that additional investigations ARE required at this time, pending the results of the Ministry of the Environment database search which will be forwarded to LOSANI HOMES LTD. under a separate cover once they are received in our Office.

Given the results of SOIL-MAT ENGINEERS' Phase Two ESA activities and the noted TankTek Report, a number of areas of potential environmental concern were identified on the Site, including the following:

PHC SOIL IMPACT AREA

As noted in section 2.0 of this Report, a remedial operation in the vicinity of the former underground fuel storage tanks and pump islands was underway at the time of this Report. The results of the remedial operation and post-remediation confirmatory soil sampling were not finalised prior to the completion of this Report. However, once finalised, the results of the remedial operation and confirmatory sampling will be issued under a separate report.

The lateral extent of the soil exhibiting elevated levels of PHCs, on the 398 North Service Road property, is identified on Drawing No.: 2, Appendix A.

PAH SOIL IMPACT AREA

Similar to the above, SOIL-MAT ENGINEERS has been on-site to observe and monitor a remedial operation in connection with the material exhibiting elevated levels of PAH. The results of the remedial operation and post-remediation confirmatory soil sampling were not finalised prior to the completion of this Report. However, once finalised, the results of the remedial operation and confirmatory sampling will be issued under a separate report.

The inferred lateral extent of the soil exhibiting elevated levels of PAH, on the 362 North Service Road property, is identified on Drawing No.: 3, Appendix A.

Furthermore it appears that the elevated PAH levels are isolated to the soil roughly in the upper 0.6 metres throughout the inferred area.

METAL SOIL IMPACT AREA

Similar to the above, SOIL-MAT ENGINEERS has been on-site to observe and monitor a remedial operation in connection with the material exhibiting elevated levels of select Metals. The results of the remedial operation and post-remediation confirmatory soil sampling were not finalised prior to the completion of this Report. However, once finalised, the results of the remedial operation and confirmatory sampling will be issued under a separate report.

The inferred lateral extent of the soil exhibiting elevated levels of select Metals, on the 362 North Service Road, property is identified on Drawing No.: 3, Appendix A.

Furthermore it appears that the soil exhibiting elevated levels of select Metals is isolated primarily to the soil in the upper 0.6 to 0.8 metres throughout the defined impact area.

GROUNDWATER ANALYTICAL DATA

The Phase Two ESA activities undertaken on the Site by SOIL-MAT ENGINEERS did not reveal any PHC groundwater exceedances on the 398 North Service Road property at the sample locations.

The Phase Two ESA activities revealed elevated levels of Sodium, Selenium and Chloride in the groundwater on the 362 North Service Road property. It is anticipated that the elevated Sodium and Chloride levels may be a result of municipal water migrating downward into groundwater or a result of wash water from the truck wash station, particularly during the winter months, on the adjacent 398 North service Road property.

The level of Sodium and Chloride in the groundwater is expected to reduce overtime as operation(s) cease on the 398 North Service Road.

The elevated level of Selenium may be attributed to the slag material encountered on the 392 North Service Road property or may be a result of naturally occurring higher levels in the Shale bedrock.

PROPOSED FUTURE RESIDENTIAL REDEVELOPMENT

Given the proposed future use of the Site [residential], the properties would be subject to a *mandatory* Record of Site Condition [RSC] filing. In order to complete and file an RSC the properties will need to meet the applicable Ontario Regulation 153/04 [as amended] soil and groundwater standards.



Furthermore, as elevated levels of limited COCs have been noted in the groundwater medium, additional groundwater assessment activities are recommended to further assess the COCs and determine if the elevated results can be considered anomalies.

In addition to the above, although not considered an environmental liability to the Site, given the construction date of the building, it is possible that designated substances, such as asbestos containing materials, and ozone depleting substances, may be present in the buildings. As such, it is recommended that a non-intrusive designated substance survey of the buildings be undertaken before any planned demolition activities that may disturb building materials to identify where possible, designated substances that may be present in the buildings.

In addition to the above, this Office should be contacted if a suspected groundwater well is encountered during future construction activities to make arrangements for the water well to be abandoned as per Ontario Regulation 903 – Water Wells.



7.0 REPORT LIMITATIONS

Achieving the objectives that are stated in this report has required SOIL-MAT ENGINEERS to derive conclusions based upon the best and most recent information currently available to SOIL-MAT ENGINEERS. No investigative method can completely eliminate the possibility of obtaining partially imprecise information. SOIL-MAT ENGINEERS has expressed professional judgement in gathering and analysing the information obtained and in the formulation of its conclusions.

Information in this report was obtained from sources deemed to be reliable, however, no representation or warranty is made as to the accuracy of this information. To the best of SOIL-MAT ENGINEERS' knowledge, the information gathered from outside sources contained in this report on which SOIL-MAT ENGINEERS has formulated its opinions and conclusions, are both true and correct. SOIL-MAT ENGINEERS assumes no responsibility for any misrepresentation of facts gathered from outside sources.

This report was prepared to assess and document evidence of potential environmental contamination, and not to judge the acceptability of the risks associated with such environmental contamination. Much of the information gathered for this report is only accurate at the time of collection and a change in the Site conditions may alter the interpretation of SOIL-MAT ENGINEERS' findings. Furthermore, the reader should note that the Site reconnaissance described in this report was an environmental assessment of the Site, not a regulatory compliance or an environmental audit of the Site.

SOIL-MAT ENGINEERS & CONSULTANTS LTD. prepared this Report for the account of MR. LOSANI HOMES LTD. The material in it reflects SOIL-MAT ENGINEERS' best judgement in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. SOIL-MAT ENGINEERS accepts no responsibility for damages, if any suffered by any third party as a result of decisions made or actions based on this report.



We trust that this Phase One Environmental Site Assessment is satisfactory for your purposes. Please feel free to contact the undersigned if you have any questions.

Sincerely,
SOIL-MAT ENGINEERS & CONSULTANTS LTD.

Peter Markesic, B.Sc.
Project Manager

Ian Shaw, P.Eng., QP_{ESA}
Review Engineer



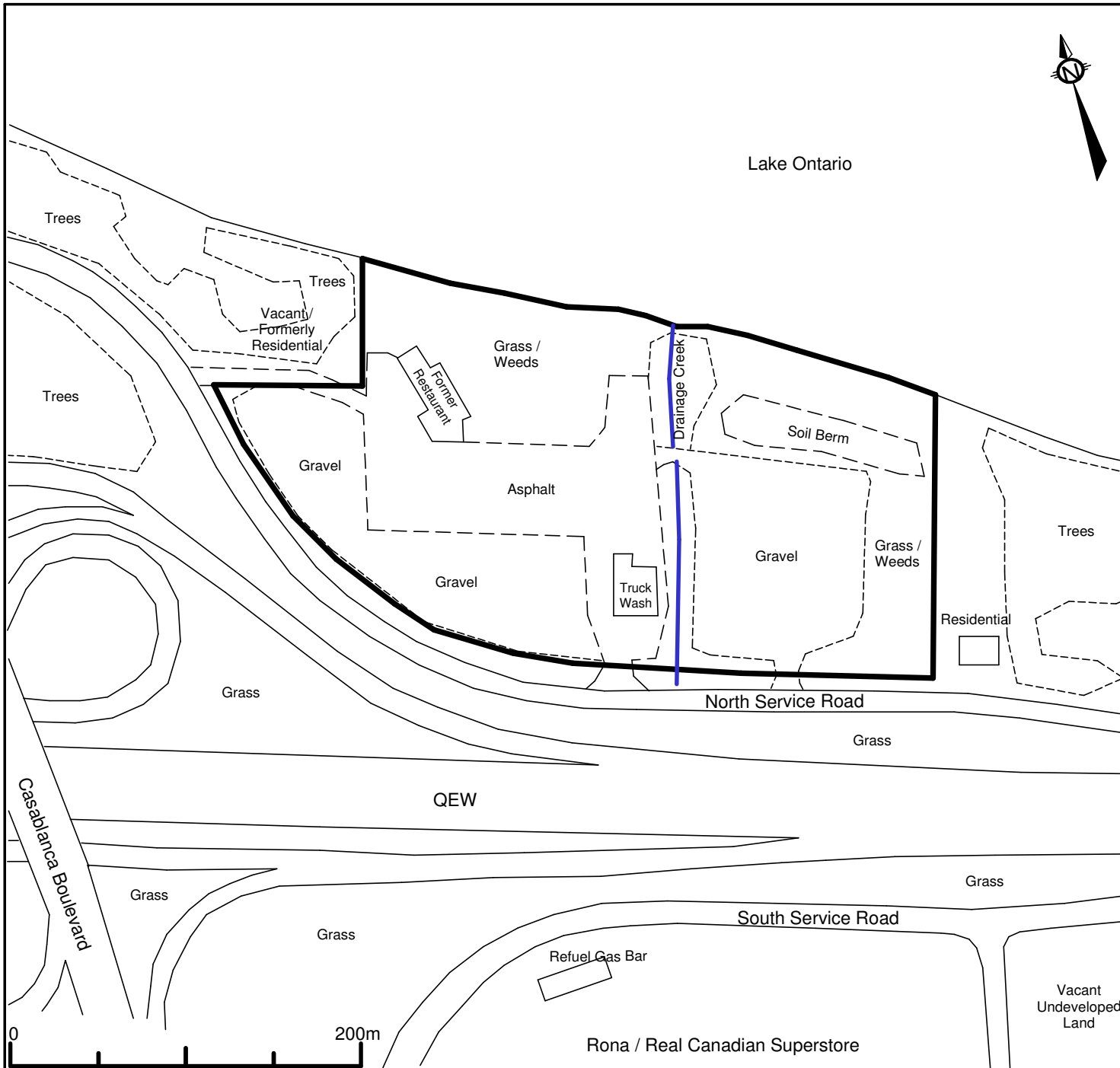
FOR Keith Gleadall, B.A., EA Dipl.
Environmental Manager

Distribution: LOSANI HOMES LTD. [2]

Enclosures: Appendix 'A' Conceptual Site Plan and General Site Drawings;
Appendix 'B' Aerial Photographs
Appendix 'C' Topographic Maps
Appendix 'D' Chain of Title
Appendix 'E' Town of Grimsby Correspondence
Appendix 'F' MOE Database Search Request
Appendix 'G' Ecolog ERIS Report
Appendix 'H' T.S.S.A. Correspondence
Appendix 'I' Qualifications of Assessors

Appendix 'A'

1. Drawing No.: 1.: Site Plan;
2. Drawing No.: 2: Study Area View;
3. Drawing No.: 3: Site Location, and;
4. Drawing No.: 4: Borehole Location Plan



| | |
|-------------------------------------------------------------------------------------------------------------------|----------------------|
| LEGEND | |
|  | = Site Boundaries |
| NOTES: | |
| 1. This drawing should be read in conjunction with Soil-Mat Engineers & Consultants Ltd. Report No.: SM 167155-E. | |
| Soil-Mat <i>Engineers & Consultants Ltd.</i> | |
| CLIENT | |
| Losani Homes Ltd. | |
| PROJECT TITLE | |
| Phase One Environmental Site Assessment 398 North Service Road Grimsby, Ontario | |
| DRAWING TITLE | |
| Site Plan | |
| PROJECT No. | SM 167155-E |
| DATE | January 2017 |
| CHECKED | KG |
| DRAWN | PM |
| FILENAME | 167155 Site Plan.kcw |
| DRAWING No. 1 | |



LEGEND

 = Site Boundaries

NOTES:

1. This drawing should be read in conjunction with Soil-Mat Engineers & Consultants Ltd. Report No.: SM 167155-E.
2. Base map provided by "Image ©2016 Digital Globe"

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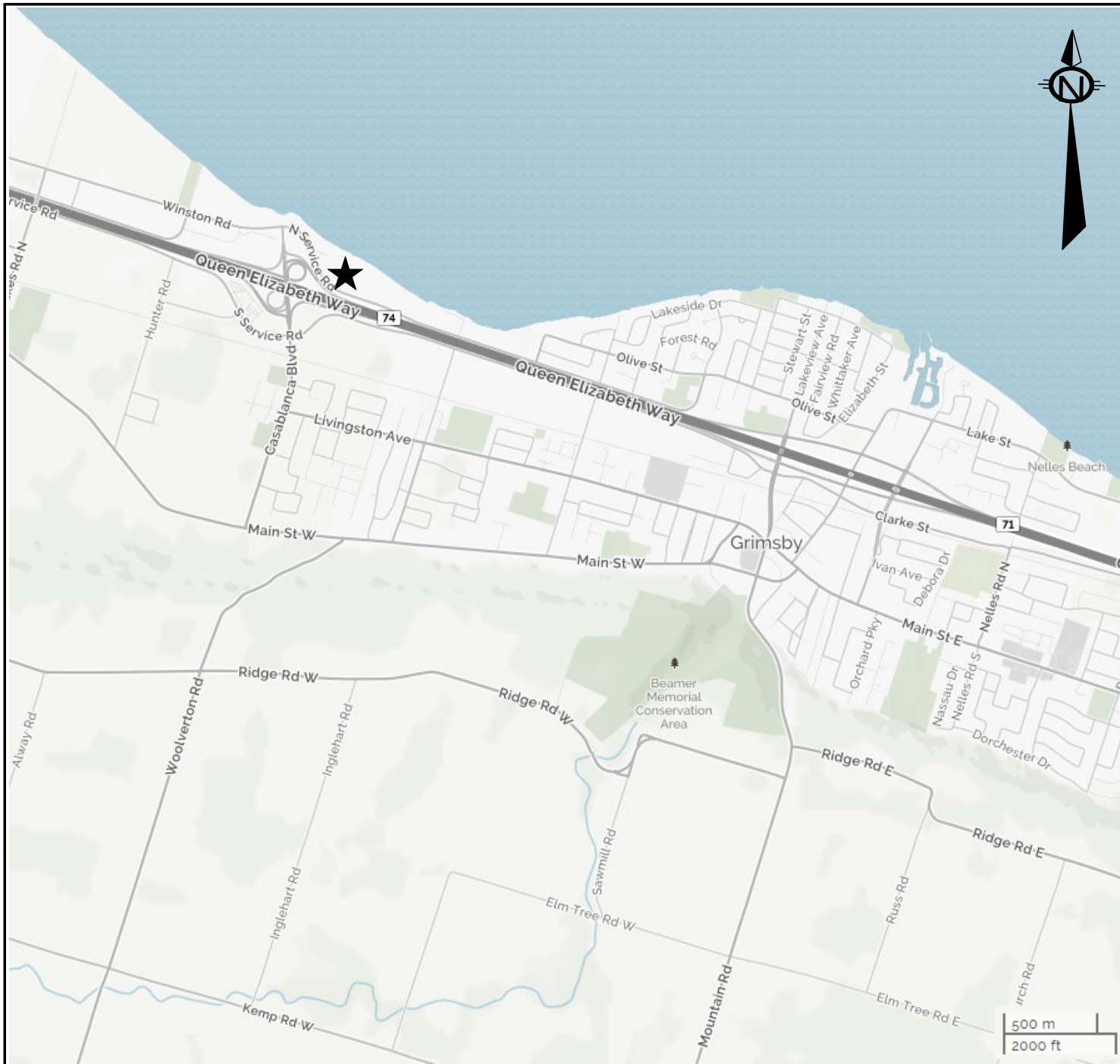
CLIENT
Losani Homes Ltd.

PROJECT TITLE
Phase One Environmental Site Assessment
398 North Service Road
Grimsby, Ontario

DRAWING TITLE
Study Area View

| | |
|--------------------|------------------------|
| PROJECT No. | SM 167155-E |
| DATE | January 2017 |
| CHECKED | KG |
| DRAWN | PM |
| FILENAME | 167155 Site Plan 2.kcw |

DRAWING No. 2



LEGEND

★ = Site Location

NOTES:

1. This drawing should be read in conjunction with Soil-Mat Engineers & Consultants Ltd. Report No.: SM 167155-E.
2. Base map provided by ©2017 MapQuest, Inc."

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CLIENT

Losani Homes Ltd.

PROJECT TITLE

Phase One Environmental Site Assessment
398 North Service Road
Grimsby, Ontario

DRAWING TITLE

Site Location Plan

PROJECT No. SM 167155-E

DATE January 2017

CHECKED KG

DRAWN PM

FILENAME 167155 Site Location.kcw

DRAWING No. 3



LEGEND

-  Borehole
-  Temporary Benchmark
Top of fire hydrant.
Assumed elevation of 100.00 metres

NOTES:

1. This drawing should be read in conjunction with Soil-Mat Engineers & Consultants Ltd. Report No.: SM 167155-E.
2. Soil samples will be discarded after 3 months unless directed otherwise by client.
3. Borehole locations are approximate.
4. Image taken from Google Earth 2015.



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CLIENT

Losani Homes

PROJECT TITLE

Phase One Environmental Site Assessment
Proposed Residential Development
Fifth Wheel - 398 North Service Road
Grimsby, Ontario

DRAWING TITLE

Borehole Location Plan

PROJECT No. SM 167155-G

SCALE N.T.S.

DATE February 2017

CHECKED KG

DRAWN PM

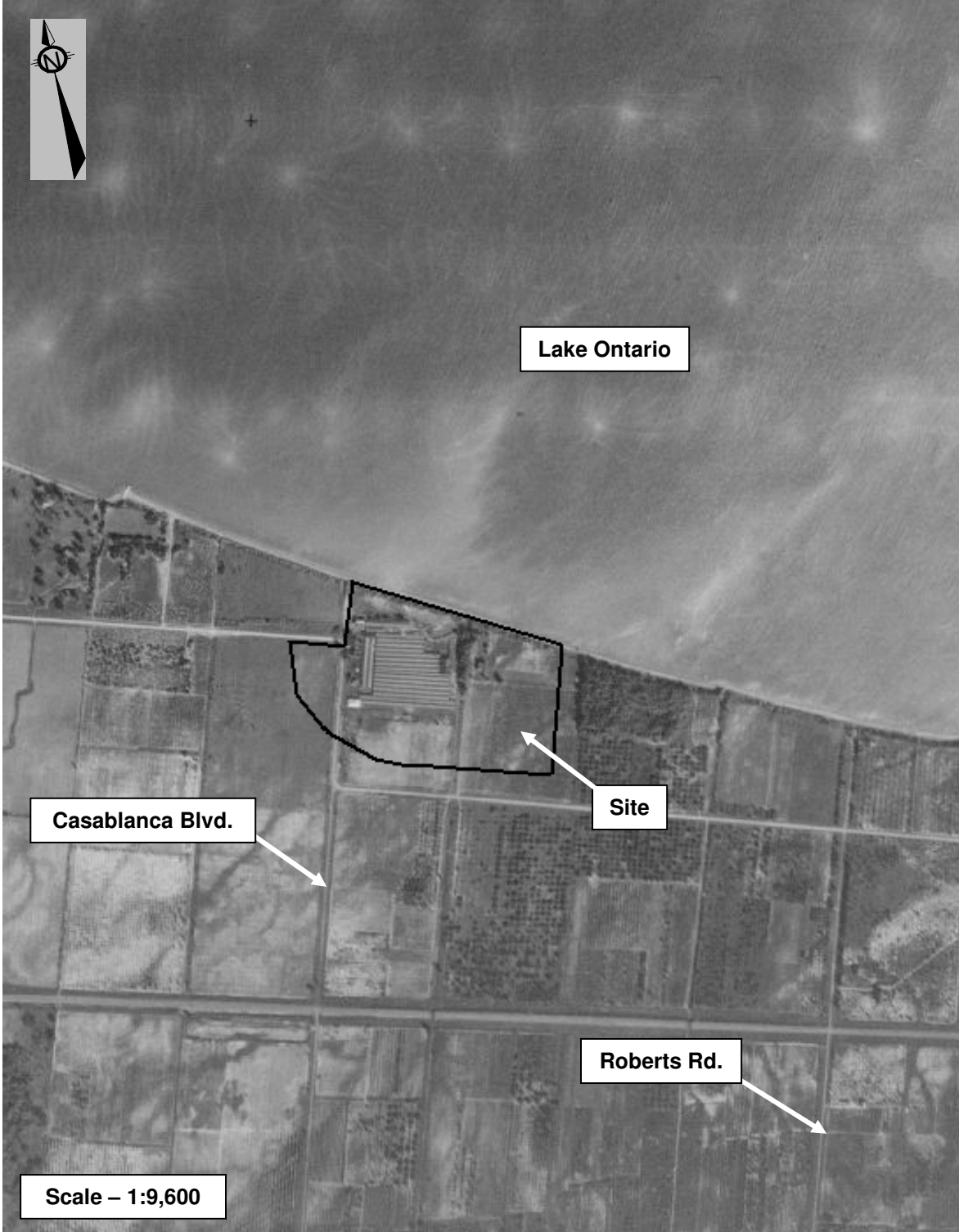
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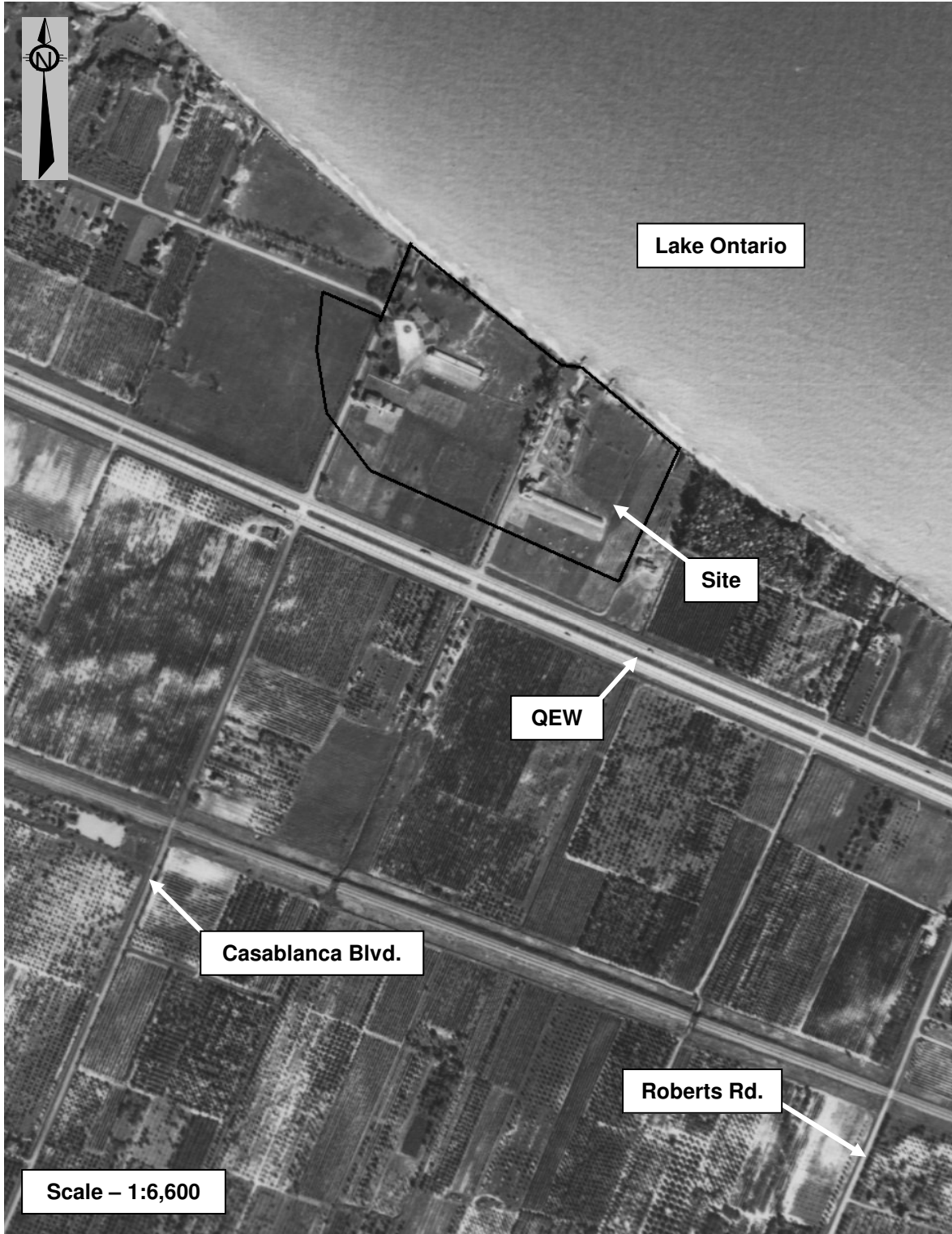
Appendix 'B'

1. 1934 Aerial Photograph;
2. 1954 Aerial Photograph;
3. 1960 Aerial Photograph;
4. 1965 Aerial Photograph;
5. 1972 Aerial Photograph;
6. 1978 Aerial Photograph;
7. 1983 Aerial Photograph;
8. 1989 Aerial Photograph;
9. 1994 Aerial Photograph;
10. 2000 Aerial Photograph;
11. 2010 Aerial Photograph, and;
12. 2016 Aerial Photograph.

Aerial Photo – 1934



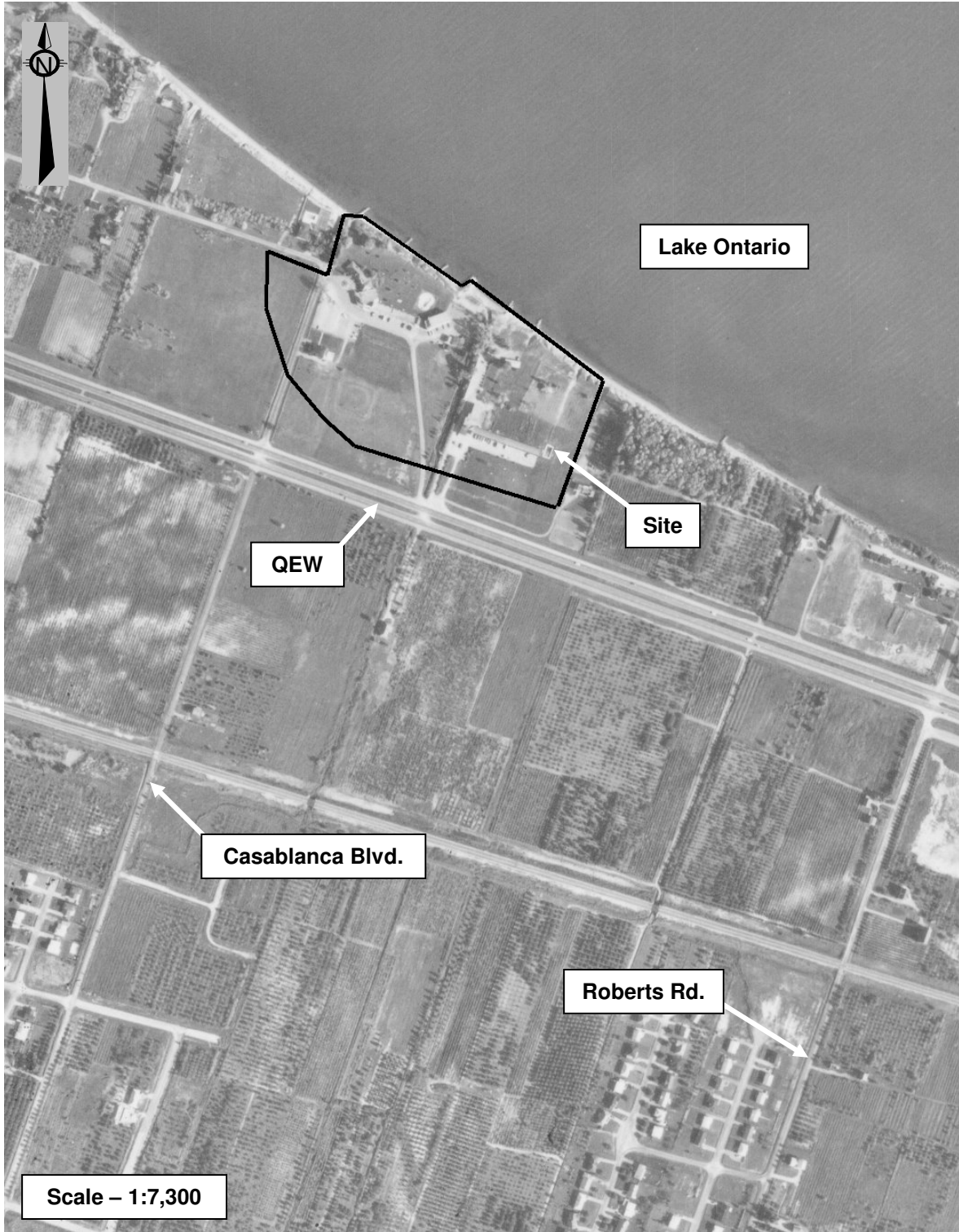
Aerial Photo – 1954



Aerial Photo – 1960



Aerial Photo – 1965



Aerial Photo – 1972



Aerial Photo – 1978



Aerial Photo – 1983



Aerial Photo – 1989



Aerial Photo – 1994



Aerial Photo – 2000



Aerial Photo – 2010



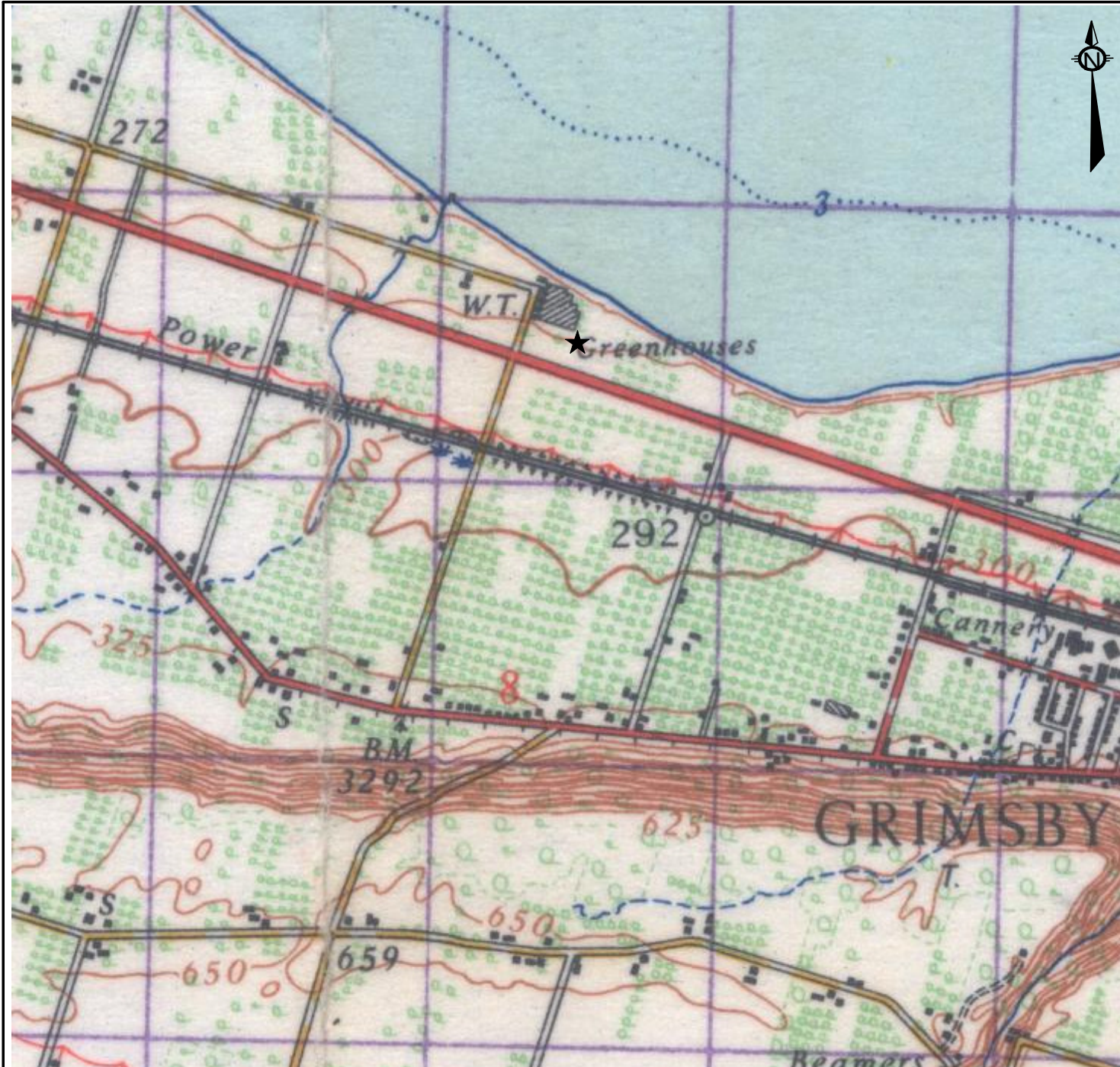
Aerial Photo – 2016



Scale – 1:5,300

Appendix 'C'

1. 1907 Topographic Map;
2. 1938 Topographic Map;
3. 1968 Topographic Map, and;
4. 1996 Topographic Map.



LEGEND

★ = Site Location

NOTES:

1. This drawing should be read in conjunction with Soil-Mat Engineers & Consultants Ltd. Report No.: SM 167155-E.
2. Topographic Map of Ontario, Grimsby Sheet 30 M/4.
3. Base map provided by the "Geographical Section, General Staff; Department of National Defence, 1938".

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PROJECT TITLE

Phase One Environmental Site Assessment
398 North Service Road
Grimsby, Ontario

DRAWING TITLE

Topographic Map 1938

PROJECT No. SM 167155-E

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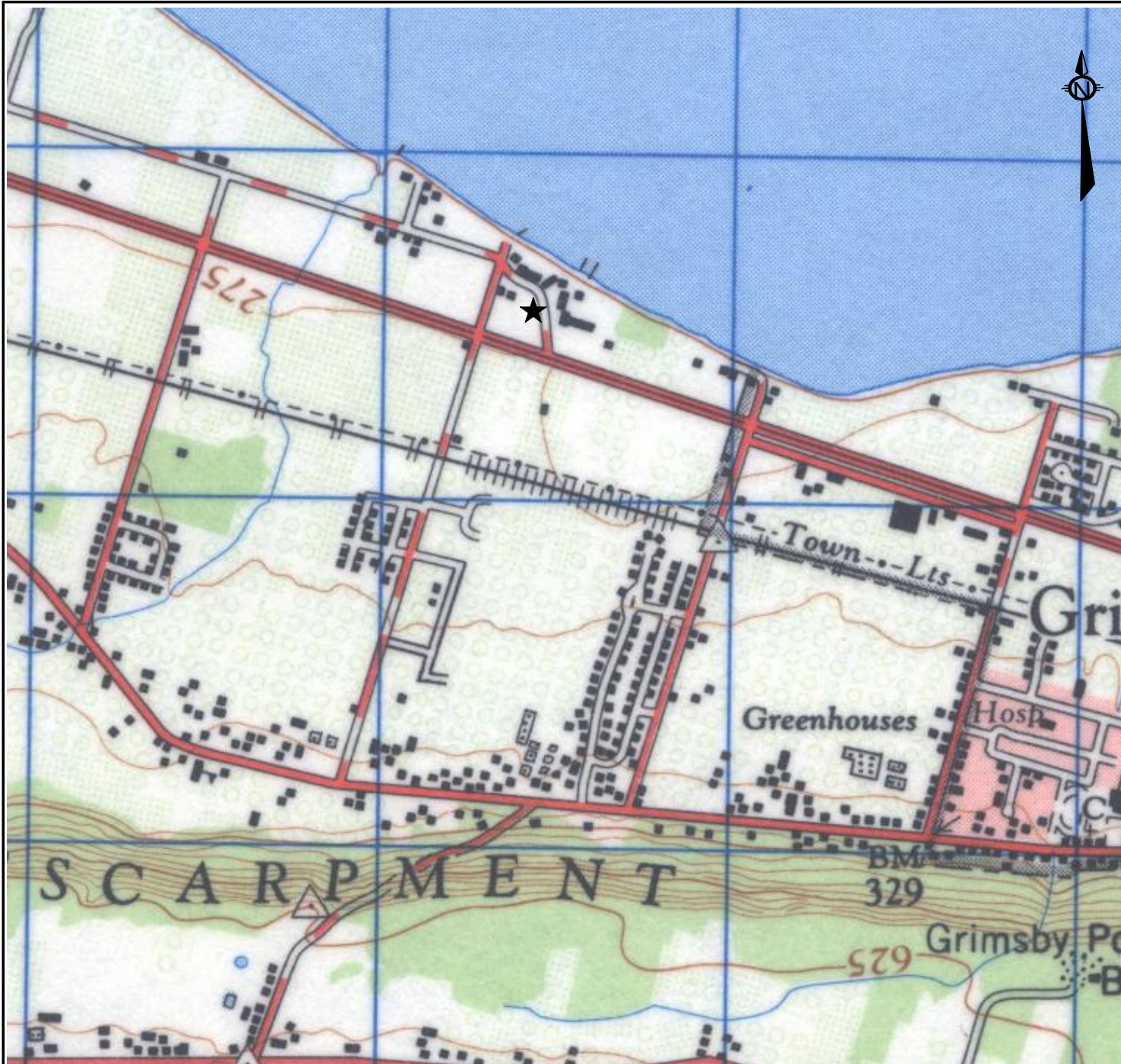
DATE January 2017

CHECKED KG

DRAWN PM

FILENAME 167155 Topo 1938.kcw

DRAWING No. 4b



LEGEND

★ = Site Location

NOTES:

1. This drawing should be read in conjunction with Soil-Mat Engineers & Consultants Ltd. Report No.: SM 167155-E.
2. Topographic Map of Ontario, Grimsby Sheet 30 M/4 W, Edition 4.
3. Base map provided by the "Mapping and Charting Establishment, Department of National Defence, 1968".

Soil-Mat

Engineers & Consultants Ltd.

CLIENT

Losani Homes Ltd.

PROJECT TITLE

Phase One Environmental Site Assessment
398 North Service Road
Grimsby, Ontario

DRAWING TITLE

Topographic Map 1968

PROJECT No. SM 167155-E

SCALE 1:50,000

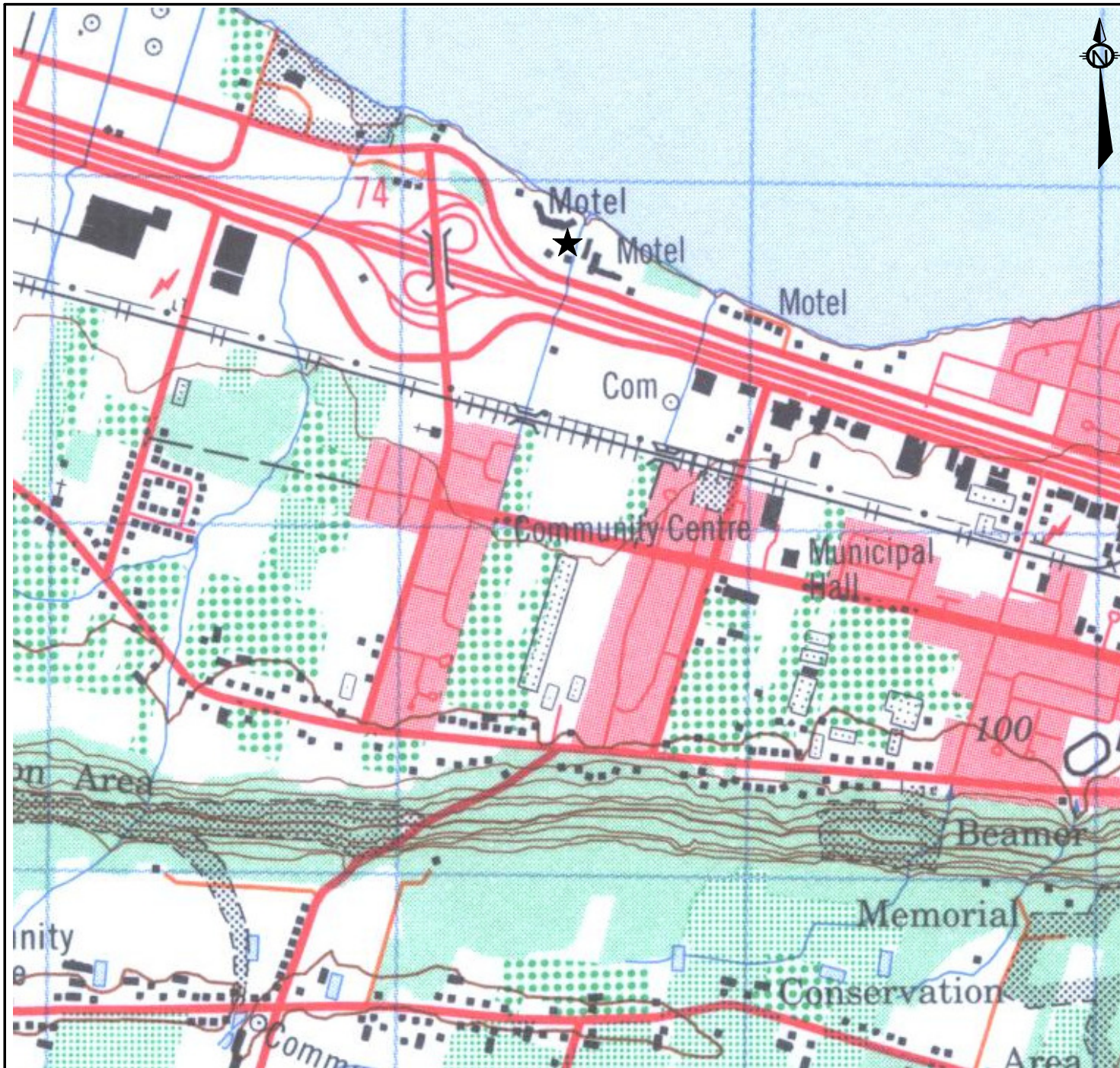
DATE January 2017

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FILENAME 167155 Topo 1968.kcw

DRAWING No. 4c



LEGEND

★ = Site Location

NOTES:

1. This drawing should be read in conjunction with Soil-Mat Engineers & Consultants Ltd. Report No.: SM 167155-E.
2. Topographic Map of Ontario, Grimsby Sheet 30 M/4, Edition 7.
3. Base map provided by the "Canada Centre for Mapping; Natural Resources Canada, 1996".

Soil-Mat
Engineers & Consultants Ltd.

CLIENT
Losani Homes Ltd.

PROJECT TITLE
Phase One Environmental Site Assessment
398 North Service Road
Grimsby, Ontario

DRAWING TITLE
Topographic Map 1996

| | |
|--------------------|----------------------|
| PROJECT No. | SM 167155-E |
| SCALE | 1:50,000 |
| DATE | January 2017 |
| CHECKED | KG |
| DRAWN | PM |
| FILENAME | 167155 Topo 1996.kcw |

DRAWING No. 4d



Appendix 'D'

1. Title Search Documents



PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND
REGISTRY
OFFICE #30

ServiceOntario

PAGE 1 OF 5
PREPARED FOR PETER
ON 2016/12/02 AT 11:59:34

46007-0016 (LT)

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION.

PCL 16-1, SEC CON BROKEN FRONT GRIMSBY ; PT LT 16, CON BROKEN FRONT NORTH GRIMSBY ; PT LTS 16 & 17, CON 1 NORTH GRIMSBY ; PT RDAL BTN LT 16 BROKEN FRONT CON & LT 16 CON 1 AS STOPPED UP AND CLOSED BY BY-LAW 511 AND CONFIRMED BY BY-LAW 1199 ALL REGISTERED AS INSTRUMENT 3304 ; PT RDAL BTN LOTS 16 & 17, CON BROKEN FRONT & 1 NORTH GRIMSBY , DISPOSED BY BY-LAW 236 REGISTERED AS INSTRUMENT R0330866 & AMENDED BY BY-LAW 115 REGISTERED AS INSTRUMENT R0330866 ; PT RDAL BTN LT 17 BROKEN FRONT CON & LT 17 CON 1, STOPPED UP AND CLOSED BY BY-LAW 87-14 REGISTERED AS INSTRUMENT 535096 ; ALL BEING PTS 2, 3, 4, 5, 6 & 8, 30R7829 T/W PT LT 16 CON BROKEN FRONT NGWSY, LT 16 CON 1 NORTH GRIMSBY & RDAL BTN LT 16 CON BROKEN FRONT & LT 16 CON 1 NORTH GRIMSBY PT 7 30R7829 AS IN NG2683, NG12341 & R0250560 ; S/T R0425996 GRIMSBY

PROPERTY REMARKS.

RECENTLY.
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
1997/09/22

CAPACITY SHARE
ROWN

OWNERS' NAMES
LOSANI HOWES (1998) LTD.

| REG. NUM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/ CHRD |
|-----------|------------|----------------------------------------------------------------------------------------------------|----------------------------|--------------|----------------------------------------|---------------|
| | | **EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/09/22 ON THIS PIN** | | | | |
| | | **WAS REPLACED WITH THE "PIN CREATION DATE" OF 1997/09/22** | | | | |
| | | ** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE: 1997/09/19 ** | | | | |
| R0250511 | 1972/08/11 | AGREEMENT | *** COMPLETELY DELETED *** | | THE CORPORATION OF THE TOWN OF GRIMSBY | |
| R0425996 | 1980/12/12 | TRANSFER EASEMENT | *** COMPLETELY DELETED *** | | THE CORPORATION OF THE TOWN OF GRIMSBY | |
| R0492665 | 1985/02/26 | AGREEMENT | *** COMPLETELY DELETED *** | | THE CORPORATION OF THE TOWN OF GRIMSBY | |
| R0492854 | 1985/02/28 | CHARGE | *** COMPLETELY DELETED *** | | SIPCO OIL LIMITED | |
| R0493426 | 1985/03/12 | TRANSFER OF CHARGE | *** COMPLETELY DELETED *** | | CANADIAN IMPERIAL BANK OF COMMERCE | |
| | | REMARKS: R0492854 | | | | |
| R0494633 | 1985/04/01 | DEBENTURE | *** COMPLETELY DELETED *** | | CANADA PERMANENT MORTGAGE CORPORATION | |
| R0494644 | 1985/04/01 | NOTICE | *** COMPLETELY DELETED *** | | | |
| R0497294 | 1985/05/30 | AGREEMENT | *** COMPLETELY DELETED *** | | | |

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

45007-0016 (LT)

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

| REG. NUM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/ CHKD |
|-----------|------------|--------------------|--------|----------------------------|----------------------------------------|---------------|
| RO497896 | 1985/06/06 | AGREEMENT | | *** COMPLETELY DELETED *** | | |
| RO499658 | 1985/07/04 | NOTICE | | *** COMPLETELY DELETED *** | | |
| RO503803 | 1985/09/12 | TRANSFER OF CHARGE | | *** COMPLETELY DELETED *** | SIPCO, OIL LIMITED | |
| RO503804 | 1985/09/12 | TRANSFER OF CHARGE | | *** COMPLETELY DELETED *** | THE ROYAL BANK OF CANADA | |
| RO520801 | 1986/07/08 | AGREEMENT | | *** COMPLETELY DELETED *** | THE CORPORATION OF THE TOWN OF GRIMSBY | |
| RO556705 | 1988/01/21 | NOTICE | | *** COMPLETELY DELETED *** | | |
| RO559047 | 1988/03/10 | DEBENTURE | | *** COMPLETELY DELETED *** | FIRST TREASURY FINANCIAL INC. | |
| RO582524 | 1989/03/30 | NOTICE | | *** COMPLETELY DELETED *** | | |
| RO604034 | 1990/02/20 | AGREEMENT | | *** COMPLETELY DELETED *** | THE CORPORATION OF THE TOWN OF GRIMSBY | |
| RO621336 | 1990/12/20 | CHARGE | | *** COMPLETELY DELETED *** | FIRST TREASURY FINANCIAL INC. | |
| RO641019 | 1991/02/19 | AGREEMENT | | *** COMPLETELY DELETED *** | THE CORPORATION OF THE TOWN OF GRIMSBY | |
| RO556729 | 1992/10/27 | CHARGE | | *** COMPLETELY DELETED *** | | |

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Ontario ServiceOntario

LAND
REGISTRY
OFFICE #30

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

PAGE 3 OF 5

PREPARED FOR PETER
ON 2016/12/02 AT 11:59:34

46007-0016 (LT)

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

| REG. NOM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/ CHKD |
|-----------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------------------------|-------------------------------------------|---------------|
| D37933066 | 1994/03/31 | APL (GENERAL) REMARKS: AMENDED UNDER LTI36592 | | | WARREN, CLAUDE FIFTH WHEEL CORPORATION | C |
| 30R7829 | 1994/03/31 | PLAN REFERENCE | | | | C |
| LTI137184 | 1995/08/17 | NOTICE REMARKS: R0559047 | | *** COMPLETELY DELETED *** | | |
| LTI137185 | 1995/08/17 | NOTICE REMARKS: R0621336 | | *** COMPLETELY DELETED *** | | |
| LTI137531 | 1995/09/05 | NOTICE REMARKS: R0559047 | | *** COMPLETELY DELETED *** | | |
| LTI137532 | 1995/09/05 | NOTICE REMARKS: R0621336 | | *** COMPLETELY DELETED *** | | |
| LTI160086 | 1998/03/27 | ORDER REMARKS: VACATING R0556705 | | *** COMPLETELY DELETED *** ONTARIO COURT (GENERAL DIVISION) | FIFTH WHEEL CORPORATION | |
| LTI160676 | 1998/04/21 | APL (GENERAL) REMARKS: R0492854, R0493426, R0503803, R0503804 & R0568542; EXPIRED INTEREST CORRECTIONS: DELETED ON 2015/09/11 AT 13:47 BY PIRSON, NANCY. | | *** COMPLETELY DELETED *** FIFTH WHEEL CORPORATION | | |
| LTI160677 | 1998/04/21 | APL (GENERAL) REMARKS: R0494633, R0494644, R0497294, R0497896, R0499658 & R0569665; EXPIRED INTEREST CORRECTIONS: DELETED ON 2015/09/11 AT 13:49 BY PIRSON, NANCY. | | *** COMPLETELY DELETED *** FIFTH WHEEL CORPORATION | | |
| LTI163452 | 1998/07/08 | CHARGE | | *** COMPLETELY DELETED *** FIFTH WHEEL CORPORATION | FIRST TREASURY FINANCIAL INC. | |
| LTI163454 | 1998/07/08 | CHARGE | | *** COMPLETELY DELETED *** FIFTH WHEEL CORPORATION | ARLUK HOLDINGS LIMITED | |

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REGISTRY
OFFICE #30

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

PAGE 4 OF 5
PREPARED FOR PETER
ON 2016/12/02 AT 11:59:34

46007-0016 (LT)

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

| REG. NOM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/ CHKD |
|-----------|------------|---------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|------------------------------------------------------|---------------|
| LT163594 | 1998/07/14 | POSTPONEMENT | | *** COMPLETELY DELETED *** WARREN, CLAUDE | FIRST TREASURY FINANCIAL INC. | |
| | | REMARKS: R0656729 POSTPONES TO LT163452 | | | | |
| LT169266 | 1999/01/04 | NOTICE | | *** COMPLETELY DELETED *** FIFTH WHEEL CORPORATION | THE CONSUMERS' GAS COMPANY LTD. | |
| | | REMARKS: EXPIRES 15 YEARS FROM 99.01.04 EXPIRED INTEREST/NO RENEWALS CORRECTIONS: DELETED ON 2015/09/11 AT 13:50 BY FIRSON, NANCY. | | | | |
| LT199517 | 2001/07/13 | CHARGE | | *** COMPLETELY DELETED *** FIFTH WHEEL CORPORATION | FIRST TREASURY FINANCIAL INC. | |
| LT199518 | 2001/07/13 | POSTPONEMENT | | *** COMPLETELY DELETED *** WARREN, CLAUDE | FIRST TREASURY FINANCIAL INC. | |
| | | REMARKS: R0656729 TO LT199517 | | | | |
| LT199519 | 2001/07/13 | DISCH OF CHARGE | | *** COMPLETELY DELETED *** ARLUK HOLDINGS LIMITED | FIRST TREASURY FINANCIAL INC. | |
| | | REMARKS: RE: LT163454 | | | | |
| NR54514 | 2005/02/04 | CHARGE | | *** COMPLETELY DELETED *** FIFTH WHEEL CORPORATION | CHALET CAPITAL CORPORATION ARLUK HOLDINGS LIMITED | |
| NR54568 | 2005/02/07 | POSTPONEMENT | | *** COMPLETELY DELETED *** WARREN, CLAUDE | CHALET CAPITAL CORPORATION ARLUK HOLDINGS LIMITED | |
| | | REMARKS: R0656729 | | | | |
| NR157080 | 2007/10/24 | TRANSFER OF CHARGE | | *** COMPLETELY DELETED *** CHALET CAPITAL CORPORATION ARLUK HOLDINGS LIMITED | CHALET CAPITAL CORPORATION ARLUK HOLDINGS LIMITED | |
| | | REMARKS: NR54514 | | | | |
| NR342882 | 2013/12/19 | DISCH OF CHARGE | | *** COMPLETELY DELETED *** FIRST TREASURY FINANCIAL INC. | CLAUDE WARREN HOLDINGS LIMITED | |
| | | REMARKS: R0559047. | | | | |
| NR342884 | 2013/12/19 | DISCH OF CHARGE | | *** COMPLETELY DELETED *** FIRST TREASURY FINANCIAL INC. | | |
| | | REMARKS: R06213136. | | | | |

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OFFICE #30

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

PAGE 5 OF 5
PREPARED FOR PETER
ON 2016/12/02 AT 11:59:34

46007-0016 (LTD)

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

| REG. NUM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/ CHRG |
|-----------|------------|-----------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------|---------------------------|---------------|
| NR342888 | 2013/12/19 | DISCH OF CHARGE REMARKS: LT163452. | | *** COMPLETELY DELETED *** FIRST TREASURY FINANCIAL INC. | | |
| NR342889 | 2013/12/19 | DISCH OF CHARGE REMARKS: LT199517. | | *** COMPLETELY DELETED *** FIRST TREASURY FINANCIAL INC. | | |
| NR392667 | 2015/09/17 | DISCH OF CHARGE REMARKS: RO656729. | | *** COMPLETELY DELETED *** WARREN, CLAUDE | | |
| NR392668 | 2015/09/17 | DISCH OF CHARGE REMARKS: NR54514. | | *** COMPLETELY DELETED *** CLAUDE WARREN HOLDINGS LIMITED | | |
| NR393219 | 2015/09/24 | TRANSFER REMARKS: PLANNING ACT STATEMENTS. | \$14,925,000 | FIFTH WHEEL CORPORATION | LOSANI HOMES (1998) LTD. | C |
| NR396760 | 2015/11/02 | APL (GENERAL) REMARKS: DELETION OF INSTRUMENT NOS. RO250511, RO492665, RO520801, RO604034 AND RO641019 | | *** COMPLETELY DELETED *** LOSANI HOMES (1998) LTD. | | |
| NR404338 | 2016/02/01 | CHARGE | \$7,500,000 | LOSANI HOMES (1998) LTD. | THE TORONTO-DOMINION BANK | C |

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LAND REGISTRY OFFICE #30

46007-0018 (IT)

PAGE 1 OF 3
PREPARED FOR PETER
ON 2016/12/02 AT 11:59:58

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

PROPERTY DESCRIPTION: PT LT 16 CON BROKEN FRONT NORTH GRIMSBY; PT LT 16 CON 1 NORTH GRIMSBY; PT RDAL BTN CON BROKEN FRONT & CON 1 NORTH GRIMSBY (CLOSED BY DF3304) AS IN RO556835; GRIMSBY

PROPERTY REMARKS:

ESTATE/QUALIFIER
FEE SIMPLE
LT CONVERSION QUALIFIED
OWNERS' NAMES
LOSANI HOWES (1998) LTD.

RECENTLY
RE-ENTRY FROM 46007-0068

CAPACITY SHARE
ROWN

FIN CREATION DATE:
2003/03/24

| REG. NUM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/CHKD | |
|-----------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|-------------------------------|-----------|--|
| | | ** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE: 2003/03/21 ** | | | | | |
| | | **SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO: | | | | | |
| ** | | SUBSECTION 44 (1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES * | | | | | |
| ** | | AND ESCHEATS OR FORFEITURE TO THE CROWN. | | | | | |
| ** | | THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY CONVENTION. | | | | | |
| ** | | ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES. | | | | | |
| ** | | **DATE OF CONVERSION TO LAND TITLES: 2003/03/24 ** | | | | | |
| RO320769 | 1975/09/17 | CHARGE | | *** COMPLETELY DELETED *** | INDUSTRIAL DEVELOPMENT BANK | | |
| RO559048 | 1988/03/10 | DEBENTURE | | *** COMPLETELY DELETED *** | FIRST TREASURY FINANCIAL INC. | | |
| RO621337 | 1990/12/20 | CHARGE | | *** COMPLETELY DELETED *** | FIRST TREASURY FINANCIAL INC. | | |
| RO656728 | 1992/10/27 | CHARGE | | *** COMPLETELY DELETED *** | WARREN, CLAUDE | | |
| RO699425 | 1995/08/17 | AGREEMENT | | *** COMPLETELY DELETED *** | | | |
| | | REMARKS: RO559048 | | | | | |

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46007-0018 (LT)

LAND
 REGISTRY
 OFFICE #30

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

| REG. NUM. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT / CHKD |
|-----------|------------|-----------------------------------------|--------|------------------------------------------------------------------------------------|------------------------------------------------------|-------------|
| R0699426 | 1995/08/17 | AGREEMENT | | *** COMPLETELY DELETED *** | | |
| | | REMARKS: R0621337 | | | | |
| R0700289 | 1995/09/05 | AGREEMENT | | *** COMPLETELY DELETED *** | | |
| | | REMARKS: R0621337 | | | | |
| R0700290 | 1995/09/05 | AGREEMENT | | *** COMPLETELY DELETED *** | | |
| | | REMARKS: R0559048 | | | | |
| R0741194 | 1998/05/28 | TRANSFER | | *** DELETED AGAINST THIS PROPERTY *** FUEL SAVER CORPORATION | FIFTH WHEEL CORPORATION | |
| R0743064 | 1998/07/08 | CHARGE | | *** DELETED AGAINST THIS PROPERTY *** FIFTH WHEEL CORPORATION | FIRST TREASURY FINANCIAL INC. | |
| R0743252 | 1998/07/14 | POSTPONEMENT | | *** DELETED AGAINST THIS PROPERTY *** WARREN, CLAUDE | FIRST TREASURY FINANCIAL INC. | |
| | | REMARKS: R0656728 POSTPONED TO R0743064 | | | | |
| R0782736 | 2001/07/13 | CHARGE | | *** DELETED AGAINST THIS PROPERTY *** FIFTH WHEEL CORPORATION | FIRST TREASURY FINANCIAL INC. | |
| R0782737 | 2001/07/13 | POSTPONEMENT | | *** DELETED AGAINST THIS PROPERTY *** WARREN, CLAUDE | FIRST TREASURY FINANCIAL INC. | |
| | | REMARKS: R0656728 TO R0782736 | | | | |
| NR54514 | 2005/02/04 | CHARGE | | *** COMPLETELY DELETED *** FIFTH WHEEL CORPORATION | CHALET CAPITAL CORPORATION ARLUK HOLDINGS LIMITED | |
| NR54515 | 2005/02/04 | POSTPONEMENT | | *** COMPLETELY DELETED *** WARREN, CLAUDE | CHALET CAPITAL CORPORATION ARLUK HOLDINGS LIMITED | |
| | | REMARKS: R0656728 TO NR54514 | | | | |
| NR157080 | 2007/10/24 | TRANSFER OF CHARGE | | *** COMPLETELY DELETED *** CHALET CAPITAL CORPORATION ARLUK HOLDINGS LIMITED | CLAUDE WARREN HOLDINGS LIMITED | |
| | | REMARKS: NR54514 | | | | |

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

PAGE 3 OF 3

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45007-0018 (LT)

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

| REG. NO. | DATE | INSTRUMENT TYPE | AMOUNT | PARTIES FROM | PARTIES TO | CERT/ CHKD |
|----------|-------------------------------------------------|-----------------|--------------|-------------------------------------------------------------------|---------------------------|---------------|
| NR232860 | 2010/02/26 REMARKS: R0320769. | DISCH OF CHARGE | | *** COMPLETELY DELETED *** BUSINESS DEVELOPMENT BANK OF CANADA | | |
| NR342893 | 2013/12/19 REMARKS: R0559048. | DISCH OF CHARGE | | *** COMPLETELY DELETED *** FIRST TREASURY FINANCIAL INC. | | |
| NR342885 | 2013/12/19 REMARKS: R0621317. | DISCH OF CHARGE | | *** COMPLETELY DELETED *** FIRST TREASURY FINANCIAL INC. | | |
| NR342886 | 2013/12/19 REMARKS: R0743064. | DISCH OF CHARGE | | *** COMPLETELY DELETED *** FIRST TREASURY FINANCIAL INC. | | |
| NR342887 | 2013/12/19 REMARKS: R0782736. | DISCH OF CHARGE | | *** COMPLETELY DELETED *** FIRST TREASURY FINANCIAL INC. | | |
| NR392666 | 2015/09/17 REMARKS: R0656728. | DISCH OF CHARGE | | *** COMPLETELY DELETED *** WARREN, CLAUDE | | |
| NR392668 | 2015/09/17 REMARKS: NR54514. | DISCH OF CHARGE | | *** COMPLETELY DELETED *** CLAUDE WARREN HOLDINGS LIMITED | | |
| NR393219 | 2015/09/24 REMARKS: PLANNING ACT STATEMENTS. | TRANSFER | \$14,925,000 | FIFTH WHEEL CORPORATION | LOSANI HOMES (1998) LTD. | C |
| NR404338 | 2016/02/01 | CHARGE | \$7,500,000 | LOSANI HOMES (1998) LTD. | THE TORONTO-DOMINION BANK | C |

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Appendix 'E'

1. Town of Grimsby Correspondence

Peter Markesic

From: Peter Markesic
Sent: January-27-17 12:40 PM
To: 'planning@grimsby.ca'
Subject: Information on a property in Grimsby

Hi,

I am looking for some information on a property in Grimsby.

The property is 398 North Service Road and I am looking to see if the Planning Department has any Phase One Environmental Site Assessments on file in regards to this property.

Regards,

Peter Markesic, B.Sc.
Environmental Technician

SOIL-MAT ENGINEERS & CONSULTANTS LTD.

M: 905.719.9702 TF: 800.243.1922 www.soil-mat.com

HAMILTON: 130 Lancing Drive L8W 3A1 T: 905.318.7440 F: 905.318.7455

MILTON: PO Box 40012 Derry Heights PO L9T 7W4 T: 905.875.3228

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 *Please consider the environment before printing this email*

Appendix 'F'

1. MOE Database Search Request



Soil-Mat Engineers & Consultants Ltd.

Geotechnical/Construction Testing/Environmental Engineers

130 Lancing Drive, Hamilton, Ontario L8W 3A1

Tel: (905) 318-7440 Inwats: 1-800-243-1922

Fax: (905) 318-7455

e-mail: info@soil-mat.on.ca

Fax Cover Page

| | |
|-----------------------------|-------------------------------|
| To: Lydia | From: Peter Markesic |
| Company: MOEE | Date: January 27, 2016 |
| Phone: (416)314-4097 | Pages: 3 (inclusive) |
| Fax: (416)314-4285 | Our Ref. #: 167155-E |

Comments:

Please undertake a search as per the attached request form.

Please feel free to contact me in our Office if you have any questions.

Sincerely,

Peter Markesic
Environmental Technician

Freedom of Information Request

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on the completion and use of this form. Our fax no. is (416) 314-4285.

| Requester Data | | | For Ministry Use Only | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Name, Title, Company Name and Mailing Address of Requester Peter Markesic, B.Sc. Environmental Technician Soil-Mat Engineers & Consultants Ltd. 130 Lancing Drive Hamilton, Ontario L8W 3A1 Email Address: peter.markesic@soil-mat.on.ca | | | FOI Request No. | FOI Co-ordinator Review date |
| | | | Date Request Received | Fee Paid ACCT-CHQ-VISA-MC- CASH |
| | | | Response Due Date | |
| Telephone/Fax Nos. Tel : (905) 318-7440 Fax : (905) 318-7455 | Your Project/Reference No. SM 167155-E | Signature of Requester | <input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> SAC <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> | |
| Request Parameters | | | | |
| Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions) 398 North Service Road, Grimsby, Ontario | | | | |
| Present Property Owner(s) and Date(s) of Ownership Losani Homes (1998) Ltd. | | | | |
| Previous Property Owner(s) and Date(s) of Ownership | | | | |
| Present/Previous Tenant(s), (if applicable) | | | | |
| Search Parameters | | | | Specify Year(s) Requested |
| Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located. | | | | |
| Environmental concerns (General correspondence, occurrence reports, abatement) | | | | 1990-Present |
| Orders | | | | 1990-Present |
| Spills | | | | 1990-Present |
| Investigations/prosecutions ▶ Owner/tenant information must be provided | | | | 1990-Present |
| Waste Generator number/classes | | | | 1990-Present |
| Certificates of Approval ▶ Proponent information must be provided | | | | |
| 1985 and prior records are searched manually. Search fees in excess of \$300.00 could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number (s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, hydrogeological reports, etc. | | | | |
| | | SD | Specify Year(s) Requested | |
| air - emissions | | | | |
| water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster) | | | | |
| sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations | | | | |
| waste water - industrial discharge | | | | |
| waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites | | | | |
| waste systems | - haulers: sewage, non-hazardous & hazardous waste | | | |
| | - mobile waste processing units | | | |
| | - PCB destruction | | | |
| pesticides - licenses | | | | |

Appendix 'G'

1. Ecolog ERIS Report

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



DATABASE REPORT

Project Property: *Fifth Wheel - 398 North Service Road
398 Service Rd N
Grimsby ON L3M4E8
SM167155-E*

Project No: *SM167155-E*

Report Type: *RSC Report (Rural)*

Order No: *20170127072*

Requested by: *Soil-Mat Engineers & Consultants*

Date Completed: *February 3, 2017*

**Environmental Risk
Information Services**
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

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Executive Summary

Property Information:

Project Property: *Fifth Wheel - 398 North Service Road
398 Service Rd N Grimsby ON L3M4E8*

Project No: *SM167155-E*

Coordinates:

Latitude: *43.207541*
Longitude: *-79.590838*
UTM Northing: *4,784,826.16*
UTM Easting: *614,471.88*
UTM Zone: *UTM Zone 17T*

Elevation: *262 FT
79.83 M*

Order Information:

Order No: *20170127072*
Date Requested: *January 27, 2017*
Requested by: *Soil-Mat Engineers & Consultants*
Report Type: *RSC Report (Rural)*

Historical/Products:

Topographic Map *Ontario Base Map (OBM)*

Executive Summary: Report Summary

| <i>Database</i> | <i>Name</i> | <i>Searched</i> | <i>Project Property</i> | <i>Within 0.30 km</i> | <i>Total</i> |
|-----------------|------------------------------------------------------------------|-----------------|-------------------------|-----------------------|--------------|
| AAGR | <i>Abandoned Aggregate Inventory</i> | Y | 0 | 0 | 0 |
| AGR | <i>Aggregate Inventory</i> | Y | 0 | 0 | 0 |
| AMIS | <i>Abandoned Mine Information System</i> | Y | 0 | 0 | 0 |
| ANDR | <i>Anderson's Waste Disposal Sites</i> | Y | 0 | 1 | 1 |
| AUWR | <i>Automobile Wrecking & Supplies</i> | Y | 0 | 0 | 0 |
| BORE | <i>Borehole</i> | Y | 0 | 28 | 28 |
| CA | <i>Certificates of Approval</i> | Y | 0 | 3 | 3 |
| CFOT | <i>Commercial Fuel Oil Tanks</i> | Y | 0 | 1 | 1 |
| CHEM | <i>Chemical Register</i> | Y | 0 | 0 | 0 |
| CNG | <i>Compressed Natural Gas Stations</i> | Y | 0 | 0 | 0 |
| COAL | <i>Inventory of Coal Gasification Plants and Coal Tar Sites</i> | Y | 0 | 0 | 0 |
| CONV | <i>Compliance and Convictions</i> | Y | 0 | 0 | 0 |
| CPU | <i>Certificates of Property Use</i> | Y | 0 | 0 | 0 |
| DRL | <i>Drill Hole Database</i> | Y | 0 | 0 | 0 |
| EASR | <i>Environmental Activity and Sector Registry</i> | Y | 0 | 0 | 0 |
| EBR | <i>Environmental Registry</i> | Y | 0 | 0 | 0 |
| ECA | <i>Environmental Compliance Approval</i> | Y | 0 | 0 | 0 |
| EEM | <i>Environmental Effects Monitoring</i> | Y | 0 | 0 | 0 |
| EHS | <i>ERIS Historical Searches</i> | Y | 0 | 2 | 2 |
| EIIS | <i>Environmental Issues Inventory System</i> | Y | 0 | 0 | 0 |
| EMHE | <i>Emergency Management Historical Event</i> | Y | 0 | 0 | 0 |
| EXP | <i>List of TSSA Expired Facilities</i> | Y | 5 | 2 | 7 |
| FCON | <i>Federal Convictions</i> | Y | 0 | 0 | 0 |
| FCS | <i>Contaminated Sites on Federal Land</i> | Y | 0 | 0 | 0 |
| FOFT | <i>Fisheries & Oceans Fuel Tanks</i> | Y | 0 | 0 | 0 |
| FST | <i>Fuel Storage Tank</i> | Y | 6 | 2 | 8 |
| FSTH | <i>Fuel Storage Tank - Historic</i> | Y | 2 | 2 | 4 |
| GEN | <i>Ontario Regulation 347 Waste Generators Summary</i> | Y | 9 | 9 | 18 |
| GHG | <i>Greenhouse Gas Emissions from Large Facilities</i> | Y | 0 | 0 | 0 |
| HINC | <i>TSSA Historic Incidents</i> | Y | 0 | 0 | 0 |
| IAFT | <i>Indian & Northern Affairs Fuel Tanks</i> | Y | 0 | 0 | 0 |
| INC | <i>TSSA Incidents</i> | Y | 0 | 0 | 0 |
| LIMO | <i>Landfill Inventory Management Ontario</i> | Y | 0 | 0 | 0 |
| MINE | <i>Canadian Mine Locations</i> | Y | 0 | 0 | 0 |
| MNR | <i>Mineral Occurrences</i> | Y | 0 | 0 | 0 |
| NATE | <i>National Analysis of Trends in Emergencies System (NATES)</i> | Y | 0 | 0 | 0 |

| Database | Name | Searched | Project Property | Within 0.30 km | Total |
|-----------------|--------------------------------------------------------------------------|-----------------|-----------------------------|-----------------------|--------------|
| NCPL | <i>Non-Compliance Reports</i> | Y | 0 | 0 | 0 |
| NDFT | <i>National Defense & Canadian Forces Fuel Tanks</i> | Y | 0 | 0 | 0 |
| NDSP | <i>National Defense & Canadian Forces Spills</i> | Y | 0 | 0 | 0 |
| NDWD | <i>National Defence & Canadian Forces Waste Disposal Sites</i> | Y | 0 | 0 | 0 |
| NEBW | <i>National Energy Board Wells</i> | Y | 0 | 0 | 0 |
| NEES | <i>National Environmental Emergencies System (NEES)</i> | Y | 0 | 0 | 0 |
| NPCB | <i>National PCB Inventory</i> | Y | 0 | 0 | 0 |
| NPRI | <i>National Pollutant Release Inventory</i> | Y | 0 | 0 | 0 |
| OGW | <i>Oil and Gas Wells</i> | Y | 0 | 0 | 0 |
| OOGW | <i>Ontario Oil and Gas Wells</i> | Y | 0 | 0 | 0 |
| OPCB | <i>Inventory of PCB Storage Sites</i> | Y | 0 | 0 | 0 |
| ORD | <i>Orders</i> | Y | 0 | 0 | 0 |
| PAP | <i>Canadian Pulp and Paper</i> | Y | 0 | 0 | 0 |
| PCFT | <i>Parks Canada Fuel Storage Tanks</i> | Y | 0 | 0 | 0 |
| PES | <i>Pesticide Register</i> | Y | 0 | 4 | 4 |
| PINC | <i>TSSA Pipeline Incidents</i> | Y | 0 | 1 | 1 |
| PRT | <i>Private and Retail Fuel Storage Tanks</i> | Y | 2 | 0 | 2 |
| PTTW | <i>Permit to Take Water</i> | Y | 0 | 0 | 0 |
| REC | <i>Ontario Regulation 347 Waste Receivers Summary</i> | Y | 0 | 0 | 0 |
| RSC | <i>Record of Site Condition</i> | Y | 0 | 0 | 0 |
| RST | <i>Retail Fuel Storage Tanks</i> | Y | 3 | 1 | 4 |
| SCT | <i>Scott's Manufacturing Directory</i> | Y | 0 | 0 | 0 |
| SPL | <i>Ontario Spills</i> | Y | 4 | 15 | 19 |
| SRDS | <i>Wastewater Discharger Registration Database</i> | Y | 0 | 0 | 0 |
| TANK | <i>Anderson's Storage Tanks</i> | Y | 0 | 0 | 0 |
| TCFT | <i>Transport Canada Fuel Storage Tanks</i> | Y | 0 | 0 | 0 |
| VAR | <i>TSSA Variances for Abandonment of Underground Storage Tanks</i> | Y | 0 | 0 | 0 |
| WDS | <i>Waste Disposal Sites - MOE CA Inventory</i> | Y | 0 | 0 | 0 |
| WDSH | <i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i> | Y | 0 | 1 | 1 |
| WWIS | <i>Water Well Information System</i> | Y | 2 | 4 | 6 |
| Total: | | | 33 | 76 | 109 |

Executive Summary: Site Report Summary - Project Property

| <i>Map Key</i> | <i>DB</i> | <i>Company/Site Name</i> | <i>Address</i> | <i>Dir/Dist (m)</i> | <i>Elev diff (m)</i> | <i>Page Number</i> |
|-------------------|-----------|--------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|----------------------|--------------------|
| 1 | EXP | FUEL SAVER (GRIMSBY) LIMITED | 398 NORTH SERVICE RD GRIMSBY ON | -/0.0 | -0.36 | 23 |
| 1 | EXP | ENBRIDGE CONSUMERS GAS ATTN: MICHAEL TREMAYNE; MGR NGV | 398 NORTH SERVICE RD GRIMSBY ON | -/0.0 | -0.36 | 23 |
| 1 | EXP | FUEL SAVER (GRIMSBY) LIMITED | 398 NORTH SERVICE RD GRIMSBY ON | -/0.0 | -0.36 | 23 |
| 1 | EXP | FIFTH WHEEL CORPORATION * | 398 NORTH SERVICE RD GRIMSBY ON | -/0.0 | -0.36 | 23 |
| 1 | EXP | FIFTH WHEEL CORPORATION * | 398 NORTH SERVICE RD GRIMSBY ON | -/0.0 | -0.36 | 24 |
| 1 | FST | FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | -/0.0 | -0.36 | 24 |
| 1 | FST | FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | -/0.0 | -0.36 | 24 |
| 1 | FST | FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | -/0.0 | -0.36 | 24 |
| 1 | FST | FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | -/0.0 | -0.36 | 25 |
| 1 | FST | FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | -/0.0 | -0.36 | 25 |
| 1 | FST | FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | -/0.0 | -0.36 | 25 |
| 1 | FSTH | FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | -/0.0 | -0.36 | 26 |
| 1 | FSTH | FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | -/0.0 | -0.36 | 26 |
| 1 | GEN | BLUE BEACON OF CANADA 05-809 | 398 NORTH SERVICE ROAD, RR#2, GRIMSBY C/O 342 BRONTE ST., UNIT #5 MILTON ON L9T 2X6 | -/0.0 | -0.36 | 27 |
| 1 | GEN | Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | -/0.0 | -0.36 | 27 |
| 1 | GEN | Fifth Wheel Corporation | 398 North Service Road Grimsby ON | -/0.0 | -0.36 | 28 |
| 1 | GEN | 1263392 Ontario Inc | 398 North Service Rd., Grimsby ON L3M 4E8 | -/0.0 | -0.36 | 28 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev diff (m) | Page Number |
|--------------------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------------------|
| <u>1</u> | GEN | Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | -/0.0 | -0.36 | <u>28</u> |
| <u>1</u> | GEN | Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | -/0.0 | -0.36 | <u>29</u> |
| <u>1</u> | GEN | Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | -/0.0 | -0.36 | <u>29</u> |
| <u>1</u> | GEN | Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | -/0.0 | -0.36 | <u>29</u> |
| <u>1</u> | GEN | Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | -/0.0 | -0.36 | <u>30</u> |
| <u>1</u> | PRT | FUEL SAVER (GRIMSBY) LIMITED | 398 NORTH SERVICE RD W GRIMSBY ON L3M4E8 | -/0.0 | -0.36 | <u>30</u> |
| <u>1</u> | PRT | WAYNE DAVIES | 398 NORTH SERVICE RD W GRIMSBY ON L3M4E8 | -/0.0 | -0.36 | <u>31</u> |
| <u>1</u> | RST | FUEL SAVER LIMITED | 398 NORTH SERVICE RD GRIMSBY ON L3M4E8 | -/0.0 | -0.36 | <u>31</u> |
| <u>1</u> | RST | 5TH WHEEL CORP | 398 NORTH SERVICE RD GRIMSBY ON L3M4E8 | -/0.0 | -0.36 | <u>31</u> |
| <u>1</u> | RST | FIFTH WHEEL TRUCK STOPS | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | -/0.0 | -0.36 | <u>31</u> |
| <u>1</u> | SPL | FIFTH WHEEL | 398 NORTH SERVICE RD. 5TH WHEEL TRUCK STOP GAS BAR GRIMSBY TOWN ON L3M 4E8 | -/0.0 | -0.36 | <u>31</u> |
| <u>1</u> | SPL | FIFTH WHEEL | 398 NORTH SERVICE RD. GAS BAR GRIMSBY TOWN ON L3M 4E8 | -/0.0 | -0.36 | <u>32</u> |
| <u>1</u> | SPL | Economy Paving Company (St. Catharines) Limited | 398 north Service Rd. West Grimsby ON | -/0.0 | -0.36 | <u>32</u> |
| <u>1</u> | SPL | FIFTH WHEEL TRUCK STOP | 398 NORTH SERVICE ROAD GRIMSBY STATION 398 NORTH SERVICE ROAD GRIMSBY TOWN ON L3M 4E8 | -/0.0 | -0.36 | <u>32</u> |
| <u>2</u> | WWIS | | GRIMSBY ON | -/0.0 | 0.01 | <u>33</u> |
| <u>3</u> | WWIS | | lot 16 con 1 ON | -/0.0 | -2.18 | <u>35</u> |

Executive Summary: Site Report Summary - Surrounding Properties

| <i>Map Key</i> | <i>DB</i> | <i>Company/Site Name</i> | <i>Address</i> | <i>Dir/Dist (m)</i> | <i>Elev Diff (m)</i> | <i>Page Number</i> |
|--------------------|-----------|------------------------------------------------------------------------------|--------------------------------------------------------|---------------------|----------------------|--------------------|
| 4 | BORE | | ON | S/27.1 | 0.83 | 37 |
| 5 | BORE | | ON | S/58.6 | 1.33 | 37 |
| 6 | BORE | | ON | SE/67.7 | 1.20 | 38 |
| 7 | BORE | | ON | WSW/70.6 | 3.60 | 38 |
| 8 | BORE | | ON | SE/81.4 | 1.94 | 39 |
| 9 | BORE | | ON | S/83.4 | 1.90 | 39 |
| 10 | BORE | | ON | SSE/101.4 | 2.94 | 39 |
| 11 | BORE | | ON | WSW/102.4 | 3.97 | 40 |
| 12 | BORE | | ON | SW/120.4 | 5.01 | 40 |
| 13 | BORE | | ON | SW/122.9 | 4.69 | 41 |
| 14 | CA | Grimsby Water Treatment Plant | 300 North Service Road Grimsby ON L3M 4E8 | ESE/137.4 | -1.07 | 41 |
| 14 | CA | Grimsby Water Treatment Plant | 300 North Service Road Grimsby ON L3M 4E8 | ESE/137.4 | -1.07 | 41 |
| 14 | CFOT | REGIONAL MUNICIPALITY OF NIAGARA - PUBLIC WORKS - WATER & WASTEWATER SERVICE | MAINTENANCE 300 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | ESE/137.4 | -1.07 | 42 |
| 14 | GEN | Regional Municipality of Niagara | 300 North Service Road Grimsby ON L3M 4E8 | ESE/137.4 | -1.07 | 42 |
| 14 | GEN | Regional Municipality of Niagara Water/Wastewater | 300 North Service Road Grimsby ON L3M4E8 | ESE/137.4 | -1.07 | 43 |
| 14 | GEN | Regional Municipality of Niagara | 300 North Service Road Grimsby ON L3M 4E8 | ESE/137.4 | -1.07 | 43 |
| 14 | GEN | Regional Municipality of Niagara | 300 North Service Road Grimsby ON L3M 4E8 | ESE/137.4 | -1.07 | 43 |
| 14 | GEN | Regional Municipality of Niagara | 300 North Service Road Grimsby ON L3M 4E8 | ESE/137.4 | -1.07 | 44 |
| 14 | GEN | Regional Municipality of Niagara | 300 North Service Road Grimsby ON L3M 4E8 | ESE/137.4 | -1.07 | 44 |
| 15 | CA | R.M. OF NIAGARA-PT.LOT 476/CORP.PLAN #4 | GRIMSBY WATER TREAT. PLANT GRIMSBY TOWN ON | SE/155.8 | 0.84 | 44 |
| 16 | EHS | | 337 South Service Road Grimsby ON | SSW/165.5 | 5.01 | 45 |
| 16 | EXP | LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV | 337 SOUTH SERVICE RD GRIMSBY ON | SSW/165.5 | 5.01 | 45 |
| 16 | EXP | LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV | 337 SOUTH SERVICE RD GRIMSBY ON | SSW/165.5 | 5.01 | 45 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------|-----------|------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------|----------------------|--------------------|
| 16 | FST | LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV | 337 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | SSW/165.5 | 5.01 | 45 |
| 16 | FST | LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV | 337 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | SSW/165.5 | 5.01 | 46 |
| 16 | FSTH | LOBLAW PROPERTIES LTD AT THE PUMPS GASBAR DIV | 337 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | SSW/165.5 | 5.01 | 46 |
| 17 | WWIS | | Grimsby ON | SSE/166.5 | 4.14 | 46 |
| 17 | WWIS | | Grimsby ON | SSE/166.5 | 4.14 | 48 |
| 18 | BORE | | ON | W/181.9 | 4.73 | 50 |
| 19 | BORE | | ON | WSW/191.1 | 5.01 | 51 |
| 20 | BORE | | ON | W/198.9 | 4.39 | 51 |
| 21 | RST | FIFTH WHEEL TRUCK STOP | CASABLANCA & QEW GRIMSBY ON L3M 4E8 | W/202.5 | 5.01 | 51 |
| 21 | SPL | TRANSPORT TRUCK | WESTBOUND QEW AT ON RAMP AT CASABLANCA BLVD - GRIMSBY. MOTOR VEHICLE (OPERATING FLUID) | W/202.5 | 5.01 | 52 |
| 21 | SPL | | NIAGARA R.M. ON QEW (Toronto Bound) and Casablanca Blvd<UNOFFICIAL> | W/202.5 | 5.01 | 52 |
| 21 | SPL | TANK TRUCK | Grimsby ON QEW WESTBOUND, WEST OF CASA BLANCA BLVD.TOWARD HAMILTON, OUTSIDE GRIMSBY TANK TRUCK (CARGO) | W/202.5 | 5.01 | 52 |
| 21 | SPL | MOTOR VEHICLE | STONE CREEK CITY ON QEW AT CASABLANCA OVERPASS | W/202.5 | 5.01 | 53 |
| 21 | SPL | | MOTOR VEHICLE (OPERATING FLUID) GRIMSBY TOWN ON | W/202.5 | 5.01 | 53 |
| 21 | SPL | | on-ramp QEW, Casablanca Blvd Grimsby ON | W/202.5 | 5.01 | 53 |
| 21 | SPL | TRANSPORT TRUCK | QEW EASTBOUND,EAST OF CASBLANCA RD. MOTOR VEHICLE (OPERATING FLUID) | W/202.5 | 5.01 | 53 |
| 21 | SPL | FREDERICK TRANSPORT | GRIMSBY TOWN ON FIFTH WHEEL TRUCK STOP QEW & CASABLANCA ROAD TRANSPORT TRUCK (CARGO) | W/202.5 | 5.01 | 54 |
| 22 | BORE | | GRIMSBY TOWN ON ON | WSW/203.9 | 5.01 | 54 |
| 23 | BORE | | ON | W/209.1 | 5.01 | 54 |
| 24 | BORE | | ON | W/210.6 | 5.01 | 55 |
| 25 | BORE | | ON | WSW/223.1 | 5.01 | 55 |
| 26 | GEN | METROLINX | 325 South Service Road Grimsby ON | SE/225.4 | 2.40 | 56 |
| 27 | WWIS | | Grimsby ON | SE/229.6 | 3.53 | 56 |
| 27 | WWIS | | Grimsby ON | SE/229.6 | 3.53 | 58 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------|-----------|------------------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------|--------------------|
| 28 | BORE | | ON | W/231.8 | 5.01 | 60 |
| 29 | SPL | UNKNOWN | CASABLANCA BLVD AT NORTH SERVICE RD. GRIMSBY TOWN ON | NW/233.2 | -0.69 | 60 |
| 30 | BORE | | ON | WSW/235.1 | 5.01 | 61 |
| 31 | BORE | | ON | W/251.4 | 5.01 | 61 |
| 32 | BORE | | ON | W/251.9 | 3.96 | 61 |
| 33 | BORE | | ON | W/257.5 | 4.10 | 62 |
| 34 | ANDR | end of Casablanca Dump | Grimsby ON L3M | NW/263.0 | -1.25 | 62 |
| 35 | BORE | | ON | W/263.8 | 4.83 | 63 |
| 36 | SPL | 12 Concord Place<UNOFFICIAL> | 12 Concord Place, Grimsby<UNOFFICIAL> Grimsby ON L3M 4E8 | WNW/270.6 | 2.28 | 63 |
| 37 | BORE | | ON | SE/271.3 | -1.04 | 64 |
| 38 | WDSH | | end of Casabl anca GRIMSBY ON | NW/272.1 | -1.00 | 64 |
| 39 | PINC | | 250 North Service Road, Grimsby ON L3M 4E8 | ESE/280.3 | -3.14 | 64 |
| 40 | SPL | The Regional Municipality of Niagara | Grimsby ON | SSE/281.6 | 4.32 | 65 |
| 41 | BORE | | ON | SE/286.0 | -0.88 | 65 |
| 42 | BORE | | ON | W/289.8 | 5.01 | 66 |
| 43 | BORE | | ON | W/293.7 | 5.01 | 66 |
| 44 | BORE | | ON | W/297.6 | 5.01 | 67 |
| 45 | EHS | | 361 South Service Rd. Grimsby ON L3M 4E8 | S/299.0 | 6.01 | 67 |
| 45 | FSTH | LOBLAW PROPERTIES LTD GASBAR DIV | 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | S/299.0 | 6.01 | 67 |
| 45 | GEN | Loblaw Companies Limited | 361 South Service Rd. Grimsby ON | S/299.0 | 6.01 | 68 |
| 45 | GEN | Loblaw Companies Limited | 361 South Service Rd. Grimsby ON L3M 4E8 | S/299.0 | 6.01 | 68 |
| 45 | PES | LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) | 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | S/299.0 | 6.01 | 69 |
| 45 | PES | LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) | 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | S/299.0 | 6.01 | 70 |
| 45 | PES | LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) | 361 SOUTH SERVICE RD GRIMSBY ON L3M4E8 | S/299.0 | 6.01 | 70 |
| 45 | PES | LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) | 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | S/299.0 | 6.01 | 70 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|--------------------|-----------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|--------------------|
| 45 | SPL | Real Canadian Superstore | 361 South Service Rd Grimsby ON | S/299.0 | 6.01 | 70 |
| 45 | SPL | | 361 South Service Rd Grimsby ON | S/299.0 | 6.01 | 70 |
| 45 | SPL | The Corporation of the Town of Grimsby | 361 South Service Rd SOUTH SERVICE RD, NEAR THE GREAT CANADIAN SUPERSTORE<UNOFFICIAL> Grimsby ON L3M 4E8 | S/299.0 | 6.01 | 71 |
| 45 | SPL | | 361 South Service Rd. Grimsby ON | S/299.0 | 6.01 | 71 |
| 45 | SPL | Loblaws Supermarkets Limited | 361 South Service Road Grimsby ON | S/299.0 | 6.01 | 71 |

Executive Summary: Summary By Data Source

ANDR - Anderson's Waste Disposal Sites

A search of the ANDR database, dated 1860s-Present has found that there are 1 ANDR site(s) within approximately 0.30 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|-----------------------|-------------------------|----------------------------|---------------------------|
| end of Casablanca Dump | Grimsby ON L3M | NW | 263.00 | <u>34</u> |

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 28 BORE site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--------------------------------------|-----------------------|-------------------------|----------------------------|---------------------------|
| | ON | S | 27.07 | <u>4</u> |
| | ON | S | 58.63 | <u>5</u> |
| | ON | SE | 67.71 | <u>6</u> |
| | ON | WSW | 70.56 | <u>7</u> |
| | ON | SE | 81.45 | <u>8</u> |
| | ON | S | 83.42 | <u>9</u> |
| | ON | SSE | 101.44 | <u>10</u> |
| | ON | WSW | 102.39 | <u>11</u> |
| | ON | SW | 120.37 | <u>12</u> |
| | ON | SW | 122.92 | <u>13</u> |
| | ON | W | 181.88 | <u>18</u> |
| | ON | WSW | 191.08 | <u>19</u> |
| | ON | W | 198.93 | <u>20</u> |
| | ON | WSW | 203.86 | <u>22</u> |

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|----------------|------------------|---------------------|--------------------|
| | ON | W | 209.07 | 23 |
| | ON | W | 210.60 | 24 |
| | ON | WSW | 223.12 | 25 |
| | ON | W | 231.75 | 28 |
| | ON | WSW | 235.09 | 30 |
| | ON | W | 251.43 | 31 |
| | ON | W | 251.90 | 32 |
| | ON | W | 257.54 | 33 |
| | ON | W | 263.82 | 35 |
| | ON | W | 289.76 | 42 |
| | ON | W | 293.66 | 43 |
| | ON | W | 297.56 | 44 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------|----------------|------------------|---------------------|--------------------|
| | ON | SE | 271.30 | 37 |
| | ON | SE | 285.96 | 41 |

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--------------------------------------------|-----------------------------------------------|------------------|---------------------|--------------------|
| R.M. OF NIAGARA-PT.LOT 476/CORP.PLAN #4 | GRIMSBY WATER TREAT. PLANT GRIMSBY TOWN ON | SE | 155.77 | 15 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|----------------------------------------------|------------------|---------------------|--------------------|
| Grimsby Water Treatment Plant | 300 North Service Road Grimsby ON L3M 4E8 | ESE | 137.36 | 14 |
| Grimsby Water Treatment Plant | 300 North Service Road Grimsby ON L3M 4E8 | ESE | 137.36 | 14 |

CFOT - Commercial Fuel Oil Tanks

A search of the CFOT database, dated Oct 31, 2016 has found that there are 1 CFOT site(s) within approximately 0.30 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------|----------------------------|-----------------------|
| REGIONAL MUNICIPALITY OF NIAGARA - PUBLIC WORKS - WATER & WASTEWATER SERVICE | MAINTENANCE 300 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | ESE | 137.36 | 14 |

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 2 EHS site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--------------------------------------|---------------------------------------------|-------------------------|----------------------------|-----------------------|
| | 337 South Service Road Grimsby ON | SSW | 165.51 | 16 |
| | 361 South Service Rd. Grimsby ON L3M 4E8 | S | 299.01 | 45 |

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Oct 31, 2016 has found that there are 7 EXP site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------------------------------|------------------------------------|-------------------------|----------------------------|-----------------------|
| LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV | 337 SOUTH SERVICE RD GRIMSBY ON | SSW | 165.51 | 16 |
| LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV | 337 SOUTH SERVICE RD GRIMSBY ON | SSW | 165.51 | 16 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|--------------------------------------------------------------|------------------------------------|-------------------------|----------------------------|-----------------------|
| FUEL SAVER (GRIMSBY) LIMITED | 398 NORTH SERVICE RD GRIMSBY ON | - | 0.00 | 1 |
| FIFTH WHEEL CORPORATION * | 398 NORTH SERVICE RD GRIMSBY ON | - | 0.00 | 1 |
| FIFTH WHEEL CORPORATION * | 398 NORTH SERVICE RD GRIMSBY ON | - | 0.00 | 1 |
| ENBRIDGE CONSUMERS GAS ATTN: MICHAEL TREMAYNE; MGR NGV | 398 NORTH SERVICE RD GRIMSBY ON | - | 0.00 | 1 |
| FUEL SAVER (GRIMSBY) LIMITED | 398 NORTH SERVICE RD GRIMSBY ON | - | 0.00 | 1 |

FST - Fuel Storage Tank

A search of the FST database, dated Oct 31, 2016 has found that there are 8 FST site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------------------------------|-----------------------------------------|------------------|---------------------|--------------------|
| LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV | 337 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | SSW | 165.51 | 16 |
| LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV | 337 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | SSW | 165.51 | 16 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------|-----------------------------------------|------------------|---------------------|-------------------|
| FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | - | 0.00 | 1 |
| FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | - | 0.00 | 1 |
| FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | - | 0.00 | 1 |
| FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | - | 0.00 | 1 |
| FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | - | 0.00 | 1 |
| FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | - | 0.00 | 1 |

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 4 FSTH site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-----------------------------------------------|-----------------------------------------|------------------|---------------------|--------------------|
| LOBLAW PROPERTIES LTD AT THE PUMPS GASBAR DIV | 337 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | SSW | 165.51 | 16 |
| LOBLAW PROPERTIES LTD GASBAR DIV | 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | S | 299.01 | 45 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------|-----------------------------------------|------------------|---------------------|-------------------|
| FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | - | 0.00 | 1 |
| FIFTH WHEEL CORPORATION | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | - | 0.00 | 1 |

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Sep 2016 has found that there are 18 GEN site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|------------------------------------------|------------------|---------------------|--------------------|
| METROLINX | 325 South Service Road Grimsby ON | SE | 225.43 | 26 |
| Loblaw Companies Limited | 361 South Service Rd. Grimsby ON L3M 4E8 | S | 299.01 | 45 |

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|-------------------------------------|------------------|---------------------|--------------------|
| Loblaw Companies Limited | 361 South Service Rd. Grimsby ON | S | 299.01 | 45 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------|---------------------|--------------------|
| Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | - | 0.00 | 1 |
| Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | - | 0.00 | 1 |
| Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | - | 0.00 | 1 |
| Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | - | 0.00 | 1 |
| Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | - | 0.00 | 1 |
| 1263392 Ontario Inc | 398 North Service Rd., Grimsby ON L3M 4E8 | - | 0.00 | 1 |
| Fifth Wheel Corporation | 398 North Service Road Grimsby ON | - | 0.00 | 1 |
| BLUE BEACON OF CANADA 05-809 | 398 NORTH SERVICE ROAD, RR#2, GRIMSBY C/O 342 BRONTE ST., UNIT #5 MILTON ON L9T 2X6 | - | 0.00 | 1 |
| Fifth Wheel Corporation | 398 North Service Road Grimsby ON L3M 4E8 | - | 0.00 | 1 |
| Regional Municipality of Niagara | 300 North Service Road Grimsby ON L3M 4E8 | ESE | 137.36 | 14 |
| Regional Municipality of Niagara | 300 North Service Road Grimsby ON L3M 4E8 | ESE | 137.36 | 14 |
| Regional Municipality of Niagara | 300 North Service Road Grimsby ON L3M 4E8 | ESE | 137.36 | 14 |
| Regional Municipality of Niagara | 300 North Service Road Grimsby ON L3M 4E8 | ESE | 137.36 | 14 |
| Regional Municipality of Niagara Water/Wastewater | 300 North Service Road Grimsby ON L3M4E8 | ESE | 137.36 | 14 |
| Regional Municipality of Niagara | 300 North Service Road Grimsby ON L3M 4E8 | ESE | 137.36 | 14 |

PES - Pesticide Register

A search of the PES database, dated 1988-Oct 2016 has found that there are 4 PES site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------------------------------------------|--------------------------------------------|------------------|---------------------|--------------------|
| LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) | 361 SOUTH SERVICE RD GRIMSBY ON L3M4E8 | S | 299.01 | 45 |
| LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) | 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | S | 299.01 | 45 |

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------------------------------------------|--------------------------------------------|------------------|---------------------|--------------------|
| LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) | 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | S | 299.01 | 45 |
| LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) | 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | S | 299.01 | 45 |

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Oct 31, 2016 has found that there are 1 PINC site(s) within approximately 0.30 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------|-----------------------------------------------|------------------|---------------------|--------------------|
| | 250 North Service Road, Grimsby ON L3M 4E8 | ESE | 280.29 | 39 |

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.30 kilometers of the project property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|---------------------------------|---------------------------------------------|------------------|---------------------|-------------------|
| FUEL SAVER (GRIMSBY) LIMITED | 398 NORTH SERVICE RD W GRIMSBY ON L3M4E8 | - | 0.00 | 1 |
| WAYNE DAVIES | 398 NORTH SERVICE RD W GRIMSBY ON L3M4E8 | - | 0.00 | 1 |

RST - Retail Fuel Storage Tanks

A search of the RST database, dated Oct 31, 2016 has found that there are 4 RST site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|----------------------------------------|------------------|---------------------|--------------------|
| FIFTH WHEEL TRUCK STOP | CASABLANCA & QEW GRIMSBY ON L3M 4E8 | W | 202.46 | 21 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------|--------------------------------------------|------------------|---------------------|-------------------|
| 5TH WHEEL CORP | 398 NORTH SERVICE RD GRIMSBY ON L3M4E8 | - | 0.00 | 1 |
| FUEL SAVER LIMITED | 398 NORTH SERVICE RD GRIMSBY ON L3M4E8 | - | 0.00 | 1 |
| FIFTH WHEEL TRUCK STOPS | 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | - | 0.00 | 1 |

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jan 2016 has found that there are 19 SPL site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------|-----------------------|
| FREDERICK TRANSPORT | FIFTH WHEEL TRUCK STOP QEW & CASABLANCA ROAD TRANSPORT TRUCK (CARGO) | W | 202.46 | 21 |
| TRANSPORT TRUCK | GRIMSBY TOWN ON QEW EASTBOUND,EAST OF CASBLANCA RD. MOTOR VEHICLE (OPERATING FLUID) | W | 202.46 | 21 |
| | GRIMSBY TOWN ON on-ramp QEW, Casablanca Blvd Grimsby ON | W | 202.46 | 21 |
| MOTOR VEHICLE | QEW AT CASABLANCA OVERPASS MOTOR VEHICLE (OPERATING FLUID) | W | 202.46 | 21 |
| TANK TRUCK | GRIMSBY TOWN ON QEW WESTBOUND, WEST OF CASA BLANCA BLVD.TOWARD HAMILTON, OUTSIDE GRIMSBY TANK TRUCK (CARGO) | W | 202.46 | 21 |
| | STONE CREEK CITY ON QEW (Toronto Bound) and Casablanca Blvd<UNOFFICIAL> | W | 202.46 | 21 |
| TRANSPORT TRUCK | Grimsby ON WESTBOUND QEW AT ON RAMP AT CASABLANCA BLVD - GRIMSBY. MOTOR VEHICLE (OPERATING FLUID) | W | 202.46 | 21 |
| 12 Concord Place<UNOFFICIAL> | NIAGARA R.M. ON 12 Concord Place, Grimsby<UNOFFICIAL> | WNW | 270.62 | 36 |
| The Regional Municipality of Niagara | Grimsby ON L3M 4E8 | SSE | 281.65 | 40 |
| | 361 South Service Rd. Grimsby ON | S | 299.01 | 45 |
| Loblaws Supermarkets Limited | 361 South Service Road Grimsby ON | S | 299.01 | 45 |
| The Corporation of the Town of Grimsby | 361 South Service Rd SOUTH SERVICE RD, NEAR THE GREAT CANADIAN SUPERSTORE<UNOFFICIAL> | S | 299.01 | 45 |
| | Grimsby ON L3M 4E8 361 South Service Rd Grimsby ON | S | 299.01 | 45 |
| Real Canadian Superstore | 361 South Service Rd Grimsby ON | S | 299.01 | 45 |
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
| FIFTH WHEEL TRUCK STOP | 398 NORTH SERVICE ROAD GRIMSBY STATION | - | 0.00 | 1 |
| | 398 NORTH SERVICE ROAD GRIMSBY TOWN ON L3M 4E8 | | | |
| Economy Paving Company (St. Catharines) Limited | 398 north Service Rd. West Grimsby ON | - | 0.00 | 1 |
| FIFTH WHEEL | 398 NORTH SERVICE RD. GAS BAR GRIMSBY TOWN ON L3M 4E8 | - | 0.00 | 1 |
| FIFTH WHEEL | 398 NORTH SERVICE RD. 5TH WHEEL TRUCK STOP GAS BAR GRIMSBY TOWN ON L3M 4E8 | - | 0.00 | 1 |

| | | | | |
|---------|------------------------------------------------------------|----|--------|--------------------|
| UNKNOWN | CASABLANCA BLVD AT NORTH SERVICE RD. GRIMSBY TOWN ON | NW | 233.24 | 29 |
|---------|------------------------------------------------------------|----|--------|--------------------|

WDSH - Waste Disposal Sites - MOE 1991 Historical Approval Inventory

A search of the WDSH database, dated Up to Oct 1990* has found that there are 1 WDSH site(s) within approximately 0.30 kilometers of the project property.

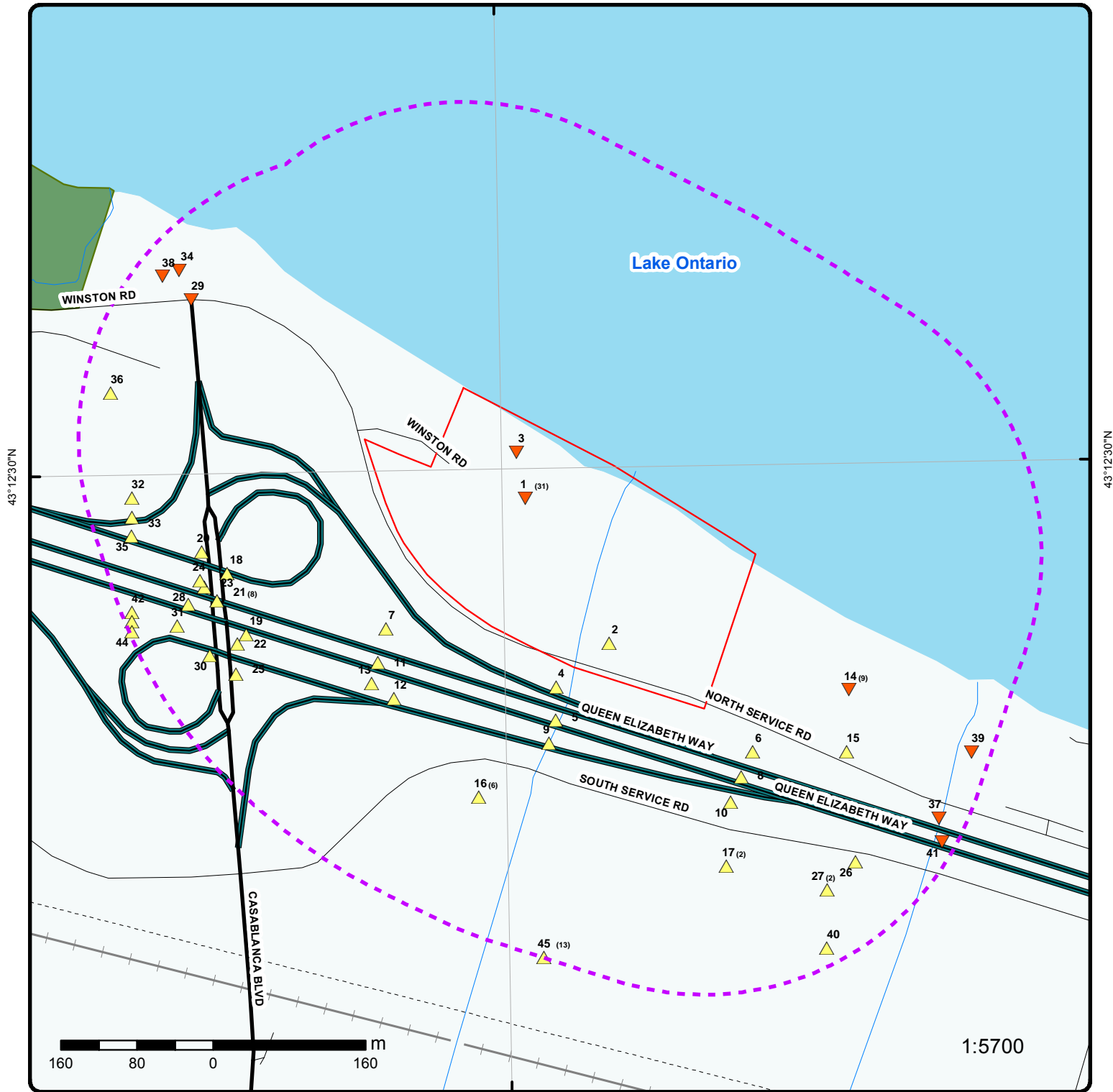
| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------|----------------------------------|------------------|---------------------|--------------------|
| | end of Casabl anca GRIMSBY ON | NW | 272.06 | 38 |

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 6 WWIS site(s) within approximately 0.30 kilometers of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|-------------------------------|----------------|------------------|---------------------|--------------------|
| | GRIMSBY ON | - | 0.00 | 2 |
| | Grimsby ON | SSE | 166.47 | 17 |
| | Grimsby ON | SSE | 166.47 | 17 |
| | Grimsby ON | SE | 229.63 | 27 |
| | Grimsby ON | SE | 229.63 | 27 |

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction</u> | <u>Distance (m)</u> | <u>Map Key</u> |
|------------------------|--------------------|------------------|---------------------|-------------------|
| | lot 16 con 1 ON | - | 0.00 | 3 |



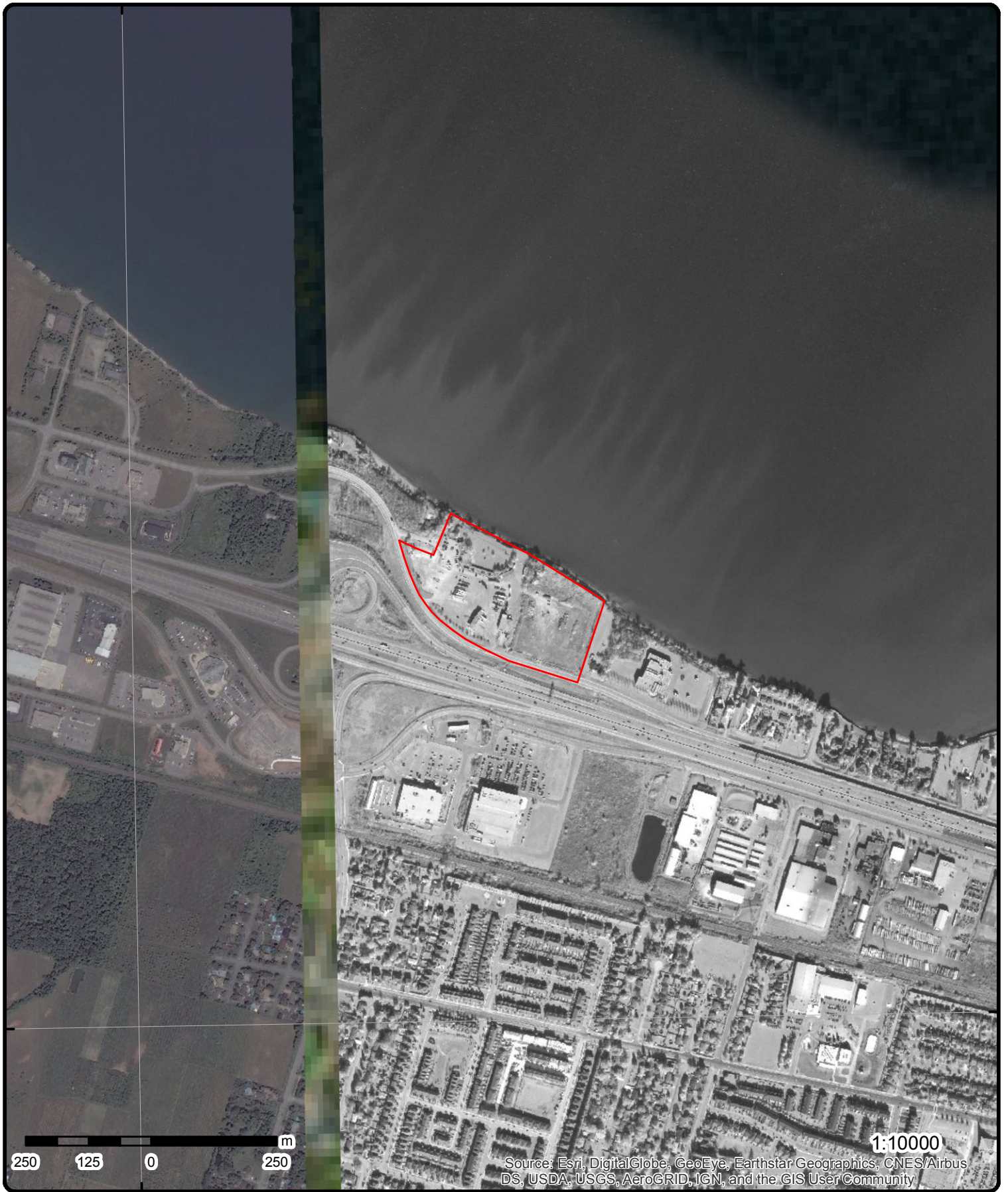
Map : 0.3 Kilometer Radius

Order No: 20170127072

Address: 398 Service Rd N, Grimsby, ON, L3M4E8



| | | | |
|-----------------------------------|----------------------|-----------------------------------|--------------------------------|
| Project Property | Expressway | Industrial and Resource - Regions | National Park |
| Buffer Outline | Principal Highway | Main Line | Provincial or Territorial Park |
| Eris Sites with Higher Elevation | Secondary Highway | Sidetrack | Other Park |
| Eris Sites with Same Elevation | Major Road | Transit Line | Golf Course or Driving Range |
| Eris Sites with Lower Elevation | Local road | Abandoned Line | Park or Sports Field |
| Eris Sites with Unknown Elevation | Trail | Proposed Road | Other Recreation Area |
| | Proposed Road | | |
| | Ferry Route/Ice Road | | |



Aerial

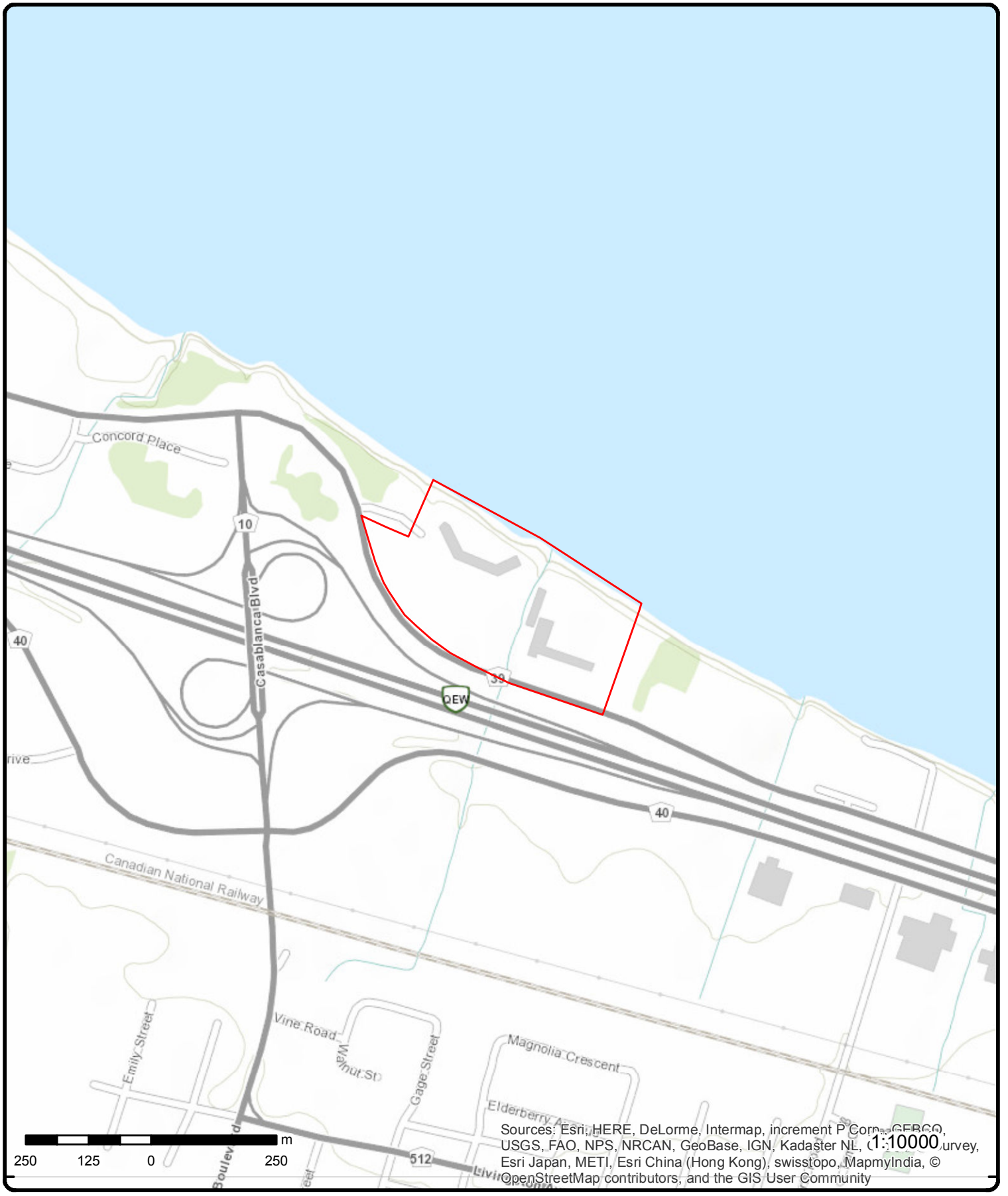
Address: 398 Service Rd N, Grimsby, ON, L3M4E8

Source: ESRI World Imagery

Order No: 20170127072



© ERIS Information Limited Partnership



Topographic Map

Address: 398 Service Rd N, Grimsby, ON, L3M4E8

Source: ESRI World Topographic Map

Order No: 20170127072



© ERIS Information Limited Partnership

Detail Report

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------|-----|
| 1 | 1 of 31 | -/0.0 | 79.5 | FUEL SAVER (GRIMSBY) LIMITED 398 NORTH SERVICE RD GRIMSBY ON | EXP |
| Instance ID: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Instance Number: Instance Type: Status: Description: | | 75993 11259203 FS Propane Tank EXPIRED FS Propane Tank | | | |
| 1 | 2 of 31 | -/0.0 | 79.5 | ENBRIDGE CONSUMERS GAS ATTN: MICHAEL TREMAYNE; MGR NGV 398 NORTH SERVICE RD GRIMSBY ON | EXP |
| Instance ID: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Instance Number: Instance Type: Status: Description: | | 397770 9996862 FS Facility EXPIRED FS CNG - SS - Fast Fill | | | |
| 1 | 3 of 31 | -/0.0 | 79.5 | FUEL SAVER (GRIMSBY) LIMITED 398 NORTH SERVICE RD GRIMSBY ON | EXP |
| Instance ID: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Instance Number: Instance Type: Status: Description: | | 11679 10083148 FS Facility EXPIRED Fuels Safety Propane Filling Plant > 5000 USW | | | |
| 1 | 4 of 31 | -/0.0 | 79.5 | FIFTH WHEEL CORPORATION * 398 NORTH SERVICE RD GRIMSBY ON | EXP |
| Instance ID: TSSA Program Area: Maximum Hazard Rank: | | 89320 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------|------------------|-----------------------------------------------------------------------|-----|
| Facility Type: Expired Date: Instance Number: 11533723 Instance Type: FS Propane Tank Status: EXPIRED Description: FS Propane Tank | | | | | |
| 1 | 5 of 31 | -/0.0 | 79.5 | FIFTH WHEEL CORPORATION * 398 NORTH SERVICE RD GRIMSBY ON | EXP |
| Instance ID: 13868 TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Instance Number: 10215849 Instance Type: FS Facility Status: EXPIRED Description: Fuels Safety Propane Filling Plant > 5000 USW | | | | | |
| 1 | 6 of 31 | -/0.0 | 79.5 | FIFTH WHEEL CORPORATION 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | FST |
| Instance Number: 10769065 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 22000 Tank Material: Steel Corrosion Protection: Sacrificial anode Tank Type: Single Wall UST Install Year: 1983 Parent Facility Type: FS Gasoline Station - Split Serve Facility Type: FS Liquid Fuel Tank | | | | | |
| 1 | 7 of 31 | -/0.0 | 79.5 | FIFTH WHEEL CORPORATION 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | FST |
| Instance Number: 11413143 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 44000 Tank Material: Steel Corrosion Protection: Sacrificial anode Tank Type: Single Wall UST Install Year: 1983 Parent Facility Type: FS Gasoline Station - Split Serve Facility Type: FS Liquid Fuel Tank | | | | | |
| 1 | 8 of 31 | -/0.0 | 79.5 | FIFTH WHEEL CORPORATION 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | FST |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------|------------------|------|----|
| Instance Number: 11413112 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 22000 Tank Material: Steel Corrosion Protection: Sacrificial anode Tank Type: Single Wall UST Install Year: 1983 Parent Facility Type: FS Gasoline Station - Split Serve Facility Type: FS Liquid Fuel Tank | | | | | |

1 9 of 31 -/0.0 79.5 **FIFTH WHEEL CORPORATION**
398 NORTH SERVICE RD
GRIMSBY ON L3M 4E8 **FST**

Instance Number: 63559737
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Diesel
Status: Active
Capacity: 44000
Tank Material: Steel
Corrosion Protection: Sacrificial anode
Tank Type: Single Wall UST
Install Year: 1983
Parent Facility Type: FS Gasoline Station - Split Serve
Facility Type: FS Liquid Fuel Tank

1 10 of 31 -/0.0 79.5 **FIFTH WHEEL CORPORATION**
398 NORTH SERVICE RD
GRIMSBY ON L3M 4E8 **FST**

Instance Number: 10769101
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Diesel
Status: Active
Capacity: 44000
Tank Material: Steel
Corrosion Protection: Sacrificial anode
Tank Type: Single Wall UST
Install Year: 1983
Parent Facility Type: FS Gasoline Station - Split Serve
Facility Type: FS Liquid Fuel Tank

1 11 of 31 -/0.0 79.5 **FIFTH WHEEL CORPORATION**
398 NORTH SERVICE RD
GRIMSBY ON L3M 4E8 **FST**

Instance Number: 10769083
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Diesel
Status: Active
Capacity: 44000
Tank Material: Steel
Corrosion Protection: Sacrificial anode

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|------------------------------|-------------------|-----------------------------------|------------------|------|----|
| Tank Type: | | Single Wall UST | | | |
| Install Year: | | 1983 | | | |
| Parent Facility Type: | | FS Gasoline Station - Split Serve | | | |
| Facility Type: | | FS Liquid Fuel Tank | | | |

| | | | | | |
|----------|----------|-------|------|--------------------------------------------------------------------------------|-------------|
| <u>1</u> | 12 of 31 | -/0.0 | 79.5 | FIFTH WHEEL CORPORATION 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | FSTH |
|----------|----------|-------|------|--------------------------------------------------------------------------------|-------------|

License Issue Date: 9/13/2002
Tank Status: Licensed
Tank Status As Of: December 2008
Operation Type: Retail Fuel Outlet
Facility Type: Gasoline Station - Split Serve

--Details--

Status: Active
Year of Installation: 1983
Corrosion Protection:
Capacity: 22000
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1983
Corrosion Protection:
Capacity: 44000
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Status: Active
Year of Installation: 1983
Corrosion Protection:
Capacity: 44000
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Status: Active
Year of Installation: 1983
Corrosion Protection:
Capacity: 22000
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1983
Corrosion Protection:
Capacity: 44000
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

| | | | | | |
|----------|----------|-------|------|--------------------------------------------------------------------------------|-------------|
| <u>1</u> | 13 of 31 | -/0.0 | 79.5 | FIFTH WHEEL CORPORATION 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | FSTH |
|----------|----------|-------|------|--------------------------------------------------------------------------------|-------------|

License Issue Date: 9/13/2002
Tank Status: Pending Renewal
Tank Status As Of: August 2007
Operation Type: Retail Fuel Outlet
Facility Type: Gasoline Station - Split Serve

--Details--

Status: Active
Year of Installation: 1983
Corrosion Protection:

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------|-------------------|----------------------------|----------------------------------------|------|----|
| | | | 22000 | | |
| | | | Liquid Fuel Single Wall UST - Gasoline | | |
| | | | Active | | |
| | | | 1983 | | |
| | | | Corrosion Protection: | | |
| | | | 44000 | | |
| | | | Liquid Fuel Single Wall UST - Diesel | | |
| | | | Active | | |
| | | | 1983 | | |
| | | | Corrosion Protection: | | |
| | | | 44000 | | |
| | | | Liquid Fuel Single Wall UST - Diesel | | |
| | | | Active | | |
| | | | 1983 | | |
| | | | Corrosion Protection: | | |
| | | | 22000 | | |
| | | | Liquid Fuel Single Wall UST - Gasoline | | |
| | | | Active | | |
| | | | 1983 | | |
| | | | Corrosion Protection: | | |
| | | | 44000 | | |
| | | | Liquid Fuel Single Wall UST - Gasoline | | |

| | | | | | |
|----------|----------|-------|------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <u>1</u> | 14 of 31 | -/0.0 | 79.5 | BLUE BEACON OF CANADA 05-809 398 NORTH SERVICE ROAD, RR#2, GRIMSBY C/O 342 BRONTE ST., UNIT #5 MILTON ON L9T 2X6 | GEN |
| | | | | PO Box Num: | |
| | | | | Status: | |
| | | | | Country: | |
| | | | | Generator #: | ON1558400 |
| | | | | Approval Yrs.: | 92,93,94,95,96,97,98 |
| | | | | SIC Code: | 6391 |
| | | | | SIC Description: | CAR WASHES |
| | | | | --Details-- | |
| | | | | Waste Code: | 251 |
| | | | | Waste Description: | OIL SKIMMINGS & SLUDGES |

| | | | | | |
|----------|----------|-------|------|----------------------------------------------------------------------------------|-----------------------|
| <u>1</u> | 15 of 31 | -/0.0 | 79.5 | Fifth Wheel Corporation 398 North Service Road Grimsby ON L3M 4E8 | GEN |
| | | | | PO Box Num: | |
| | | | | Status: | |
| | | | | Country: | |
| | | | | Generator #: | ON9216243 |
| | | | | Approval Yrs.: | As of May 2015 |
| | | | | SIC Code: | |
| | | | | SIC Description: | |
| | | | | --Details-- | |
| | | | | Waste Code: | 213 |
| | | | | Waste Description: | Petroleum distillates |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------------------------|-------------------|-------------------------------------------|------------------|----------------------------------------------------------------------------------|------------|
| Waste Code: | | 221 | | | |
| Waste Description: | | Light fuels | | | |
| 1 | 16 of 31 | -0.0 | 79.5 | Fifth Wheel Corporation 398 North Service Road Grimsby ON | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: | | ON9216243 | | | |
| Approval Yrs.: | | 2013 | | | |
| SIC Code: | | 447110 | | | |
| SIC Description: | | | | | |
| --Details-- | | | | | |
| Waste Code: | | 252 | | | |
| Waste Description: | | WASTE OILS & LUBRICANTS | | | |
| Waste Code: | | 251 | | | |
| Waste Description: | | OIL SKIMMINGS & SLUDGES | | | |
| Waste Code: | | 221 | | | |
| Waste Description: | | LIGHT FUELS | | | |
| Waste Code: | | 213 | | | |
| Waste Description: | | PETROLEUM DISTILLATES | | | |
| 1 | 17 of 31 | -0.0 | 79.5 | 1263392 Ontario Inc 398 North Service Rd., Grimsby ON L3M 4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: | | ON4329061 | | | |
| Approval Yrs.: | | 04 | | | |
| SIC Code: | | 722110 | | | |
| SIC Description: | | Full-Service Restaurants | | | |
| 1 | 18 of 31 | -0.0 | 79.5 | Fifth Wheel Corporation 398 North Service Road Grimsby ON L3M 4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: | | ON9216243 | | | |
| Approval Yrs.: | | 2009 | | | |
| SIC Code: | | 447110 | | | |
| SIC Description: | | Gasoline Stations with Convenience Stores | | | |
| --Details-- | | | | | |
| Waste Code: | | 213 | | | |
| Waste Description: | | PETROLEUM DISTILLATES | | | |
| Waste Code: | | 221 | | | |
| Waste Description: | | LIGHT FUELS | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------------------------|-------------------|-------------------------------------------|------------------|----------------------------------------------------------------------------------|------------|
| Waste Code: | | 251 | | | |
| Waste Description: | | OIL SKIMMINGS & SLUDGES | | | |
| Waste Code: | | 252 | | | |
| Waste Description: | | WASTE OILS & LUBRICANTS | | | |
| 1 | 19 of 31 | -/0.0 | 79.5 | Fifth Wheel Corporation 398 North Service Road Grimsby ON L3M 4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: | | ON9216243 | | | |
| Approval Yrs.: | | 2011 | | | |
| SIC Code: | | 447110 | | | |
| SIC Description: | | Gasoline Stations with Convenience Stores | | | |
| --Details-- | | | | | |
| Waste Code: | | 252 | | | |
| Waste Description: | | WASTE OILS & LUBRICANTS | | | |
| Waste Code: | | 213 | | | |
| Waste Description: | | PETROLEUM DISTILLATES | | | |
| Waste Code: | | 221 | | | |
| Waste Description: | | LIGHT FUELS | | | |
| Waste Code: | | 251 | | | |
| Waste Description: | | OIL SKIMMINGS & SLUDGES | | | |
| 1 | 20 of 31 | -/0.0 | 79.5 | Fifth Wheel Corporation 398 North Service Road Grimsby ON L3M 4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: | | ON9216243 | | | |
| Approval Yrs.: | | 2012 | | | |
| SIC Code: | | 447110 | | | |
| SIC Description: | | Gasoline Stations with Convenience Stores | | | |
| --Details-- | | | | | |
| Waste Code: | | 252 | | | |
| Waste Description: | | WASTE OILS & LUBRICANTS | | | |
| Waste Code: | | 251 | | | |
| Waste Description: | | OIL SKIMMINGS & SLUDGES | | | |
| Waste Code: | | 213 | | | |
| Waste Description: | | PETROLEUM DISTILLATES | | | |
| Waste Code: | | 221 | | | |
| Waste Description: | | LIGHT FUELS | | | |
| 1 | 21 of 31 | -/0.0 | 79.5 | Fifth Wheel Corporation | GEN |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------------------------------------------|-------------------|----------------------------|------------------|-----------------------------------------------------------------------------|-----|
| | | | | 398 North Service Road Grimsby ON L3M 4E8 | |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: ON9216243 | | | | | |
| Approval Yrs:: 2010 | | | | | |
| SIC Code: 447110 | | | | | |
| SIC Description: Gasoline Stations with Convenience Stores | | | | | |
| --Details-- | | | | | |
| Waste Code: 213 | | | | | |
| Waste Description: PETROLEUM DISTILLATES | | | | | |
| Waste Code: 252 | | | | | |
| Waste Description: WASTE OILS & LUBRICANTS | | | | | |
| Waste Code: 251 | | | | | |
| Waste Description: OIL SKIMMINGS & SLUDGES | | | | | |
| Waste Code: 221 | | | | | |
| Waste Description: LIGHT FUELS | | | | | |
| <u>1</u> | 22 of 31 | -/0.0 | 79.5 | Fifth Wheel Corporation 398 North Service Road Grimsby ON L3M 4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: ON9216243 | | | | | |
| Approval Yrs:: 03,04,05,06,07,08 | | | | | |
| SIC Code: | | | | | |
| SIC Description: | | | | | |
| --Details-- | | | | | |
| Waste Code: 213 | | | | | |
| Waste Description: PETROLEUM DISTILLATES | | | | | |
| Waste Code: 221 | | | | | |
| Waste Description: LIGHT FUELS | | | | | |
| Waste Code: 251 | | | | | |
| Waste Description: OIL SKIMMINGS & SLUDGES | | | | | |
| Waste Code: 252 | | | | | |
| Waste Description: WASTE OILS & LUBRICANTS | | | | | |
| <u>1</u> | 23 of 31 | -/0.0 | 79.5 | FUEL SAVER (GRIMSBY) LIMITED 398 NORTH SERVICE RD W GRIMSBY ON L3M4E8 | PRT |
| Location ID: 5570 | | | | | |
| Type: retail | | | | | |
| Expiry Date: 1995-09-30 | | | | | |
| Capacity (L): 110000 | | | | | |
| Licence #: 0052817001 | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------|-------------------|-------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------|-----|
| 1 | 24 of 31 | -0.0 | 79.5 | WAYNE DAVIES 398 NORTH SERVICE RD W GRIMSBY ON L3M4E8 | PRT |
| Location ID: | | 5570 | | | |
| Type: | | retail | | | |
| Expiry Date: | | 1995-07-31 | | | |
| Capacity (L): | | 5000 | | | |
| Licence #: | | 0076419084 | | | |
| 1 | 25 of 31 | -0.0 | 79.5 | FUEL SAVER LIMITED 398 NORTH SERVICE RD GRIMSBY ON L3M4E8 | RST |
| Code: | | 1186800 | | | |
| Facility: | | Service Stations-Gasoline, Oil & Natural Gas | | | |
| Description: | | | | | |
| List Name: | | | | | |
| 1 | 26 of 31 | -0.0 | 79.5 | 5TH WHEEL CORP 398 NORTH SERVICE RD GRIMSBY ON L3M4E8 | RST |
| Code: | | 1186800 | | | |
| Facility: | | Service Stations-Gasoline, Oil & Natural Gas | | | |
| Description: | | | | | |
| List Name: | | | | | |
| 1 | 27 of 31 | -0.0 | 79.5 | FIFTH WHEEL TRUCK STOPS 398 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | RST |
| Code: | | 01186800 | | | |
| Facility: | | SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS | | | |
| Description: | | | | | |
| List Name: | | | | | |
| 1 | 28 of 31 | -0.0 | 79.5 | FIFTH WHEEL 398 NORTH SERVICE RD. 5TH WHEEL TRUCK STOP GAS BAR GRIMSBY TOWN ON L3M 4E8 | SPL |
| Ref NO: | | 78979 | | | |
| Contaminant Code: | | | | | |
| Contaminant Name: | | | | | |
| Contaminant Quantity: | | | | | |
| Incident Cause:: | | OTHER TRANSPORTATION ACCIDENT | | | |
| Incident Dt: | | 11/19/1992 | | | |
| Incident Reason:: | | ERROR | | | |
| Incident Summary:: | | 5TH WHEEL TRUCK STOP - 100 LTR DIESEL TO LOT WHEN TRUCK HIT PUMP. | | | |
| MOE Reported Dt: | | 11/19/1992 | | | |
| Environmental Impact:: | | NOT ANTICIPATED | | | |
| Nature of Impact:: | | | | | |
| Receiving Medium:: | | LAND | | | |
| SAC Action Class: | | | | | |
| Sector Source Type: | | | | | |
| Site Municipality: | | 18402 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------|-------------------|-------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------|------------|
| <u>1</u> | 29 of 31 | -0.0 | 79.5 | FIFTH WHEEL 398 NORTH SERVICE RD. GAS BAR GRIMSBY TOWN ON L3M 4E8 | SPL |
| Ref NO: | | 95222 | | | |
| Contaminant Code: | | | | | |
| Contaminant Name: | | | | | |
| Contaminant Quantity: | | | | | |
| Incident Cause:: | | PIPE/HOSE LEAK | | | |
| Incident Dt: | | 1/11/1994 | | | |
| Incident Reason:: | | EQUIPMENT FAILURE | | | |
| Incident Summary:: | | FIFTH WHEEL TRUCK STOP - 75 L OF DIESEL FUEL TO PARKING LOT | | | |
| MOE Reported Dt: | | 1/11/1994 | | | |
| Environmental Impact:: | | POSSIBLE | | | |
| Nature of Impact:: | | Soil contamination | | | |
| Receiving Medium:: | | LAND | | | |
| SAC Action Class: | | | | | |
| Sector Source Type: | | | | | |
| Site Municipality: | | 18402 | | | |
| <u>1</u> | 30 of 31 | -0.0 | 79.5 | Economy Paving Company (St. Catharines) Limited 398 north Service Rd. West Grimsby ON | SPL |
| Ref NO: | | 8157-8WRLW8 | | | |
| Contaminant Code: | | 13 | | | |
| Contaminant Name: | | DIESEL FUEL | | | |
| Contaminant Quantity: | | 150 L | | | |
| Incident Cause:: | | | | | |
| Incident Dt: | | 01-AUG-12 | | | |
| Incident Reason:: | | | | | |
| Incident Summary:: | | Economy Paving diesel 150 L to ground | | | |
| MOE Reported Dt: | | 01-AUG-12 | | | |
| Environmental Impact:: | | Confirmed | | | |
| Nature of Impact:: | | | | | |
| Receiving Medium:: | | Land Spills | | | |
| SAC Action Class: | | | | | |
| Sector Source Type: | | | | | |
| Site Municipality: | | Grimsby | | | |
| <u>1</u> | 31 of 31 | -0.0 | 79.5 | FIFTH WHEEL TRUCK STOP 398 NORTH SERVICE ROAD GRIMSBY STATION 398 NORTH SERVICE ROAD GRIMSBY TOWN ON L3M 4E8 | SPL |
| Ref NO: | | 138038 | | | |
| Contaminant Code: | | | | | |
| Contaminant Name: | | | | | |
| Contaminant Quantity: | | | | | |
| Incident Cause:: | | PIPE/HOSE LEAK | | | |
| Incident Dt: | | 3/7/1997 | | | |
| Incident Reason:: | | ERROR | | | |
| Incident Summary:: | | FIFTH WHEEL TRUCK STOP 68L OF DIESEL FUEL TO PAVEMENT | | | |
| MOE Reported Dt: | | 3/7/1997 | | | |
| Environmental Impact:: | | NOT ANTICIPATED | | | |
| Nature of Impact:: | | | | | |
| Receiving Medium:: | | LAND | | | |
| SAC Action Class: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|----------------------------|-------------------|----------------------------|------------------|------|----|
| Sector Source Type: | | | | | |
| Site Municipality: | | 18402 | | | |

| | | | | | |
|----------|--------|------|------|------------|------|
| <u>2</u> | 1 of 1 | -0.0 | 79.8 | GRIMSBY ON | WWIS |
|----------|--------|------|------|------------|------|

| | | | |
|----------------------------|------------------------------|--------------------------|--|
| Well ID: | 7251754 | Lot: | |
| Construction Date:: | | Concession: | |
| Primary Water Use:: | Monitoring | Concession Name: | |
| Sec. Water Use:: | | Easting NAD83:: | |
| Final Well Status:: | Observation Wells | Northing NAD83:: | |
| Specific Capacity:: | | Zone:: | |
| Municipality: | GRIMSBY TOWN (NORTH GRIMSBY) | UTM Reliability:: | |
| County: | NIAGARA (LINCOLN) | | |

Bore Hole Information

| | |
|-------------------------------------|--------------------------------|
| -- | -- |
| Bore Hole ID: | 1005792652 |
| DP2BR: | |
| Code OB: | |
| Code OB Description: | |
| Open Hole: | |
| Date Completed: | 17-JUL-15 |
| Remarks: | |
| Zone: | 17 |
| East 83: | 614515 |
| North 83: | 4784730 |
| UTMRC: | 4 |
| UTMRC Description: | margin of error : 30 m - 100 m |
| Location Method: | wwr |
| Org CS: | UTM83 |
| Elevation: | |
| Elevrc: | |
| Elevrc Description: | |
| Location Source Date: | |
| Source Revision Comment: | |
| Improvement Location Source: | |
| Improvement Location Method: | |
| Supplier Comment: | |
| Spatial Status: | |
| -- | -- |

**Overburden and Bedrock
Materials Interval**

| | |
|---------------------------------|------------|
| -- | -- |
| Formation ID: | 1005803842 |
| Layer: | 1 |
| General Color: | BROWN |
| Most Common Material: | CLAY |
| Other Materials: | SILT |
| Other Materials: | |
| Formation Top Depth: | 0 |
| Formation End Depth: | 15 |
| Formation End Depth UOM: | ft |
| -- | -- |
| Formation ID: | 1005803843 |
| Layer: | 2 |
| General Color: | GREY |
| Most Common Material: | CLAY |
| Other Materials: | SILT |
| Other Materials: | |
| Formation Top Depth: | 15 |
| Formation End Depth: | 20 |
| Formation End Depth UOM: | ft |
| -- | -- |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------------------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Annular Space/Abandonment Sealing Record | | | | | |
| -- | -- | -- | -- | -- | -- |
| Plug ID: | | 1005803850 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | 9 | | | |
| Plug Depth UOM: | | ft | | | |
| -- | -- | -- | -- | -- | -- |
| Plug ID: | | 1005803851 | | | |
| Layer: | | 2 | | | |
| Plug From: | | 9 | | | |
| Plug To: | | 20 | | | |
| Plug Depth UOM: | | ft | | | |
| -- | -- | -- | -- | -- | -- |
| Method of Construction & Well Use | | | | | |
| -- | -- | -- | -- | -- | -- |
| Method Construction ID: | | 1005803849 | | | |
| Method Construction Code: | | E | | | |
| Method Construction: | | Auger | | | |
| Other Method Construction: | | | | | |
| -- | -- | -- | -- | -- | -- |
| Pipe Information | | | | | |
| -- | -- | -- | -- | -- | -- |
| Pipe ID: | | 1005803841 | | | |
| Casing Number: | | 0 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| -- | -- | -- | -- | -- | -- |
| Construction Record - Casing | | | | | |
| -- | -- | -- | -- | -- | -- |
| Casing ID: | | 1005803846 | | | |
| Layer: | | 1 | | | |
| Open Hole or Material: | | PLASTIC | | | |
| Depth From: | | 0 | | | |
| Depth To: | | 10 | | | |
| Casing Diameter: | | 2 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- |
| Construction Record - Screen | | | | | |
| -- | -- | -- | -- | -- | -- |
| Screen ID: | | 1005803847 | | | |
| Layer: | | 1 | | | |
| Slot: | | 10 | | | |
| Screen Top Depth: | | 10 | | | |
| Screen End Depth: | | 20 | | | |
| Screen Material: | | 5 | | | |
| Screen Depth UOM: | | ft | | | |
| Screen Diameter UOM: | | inch | | | |
| Screen Diameter: | | 2.5 | | | |
| -- | -- | -- | -- | -- | -- |
| Hole Diameter | | | | | |
| -- | -- | -- | -- | -- | -- |
| Hole ID: | | 1005803844 | | | |
| Diameter: | | 6 | | | |
| Depth From: | | 0 | | | |
| Depth To: | | 20 | | | |
| Hole Depth UOM: | | ft | | | |
| Hole Diameter UOM: | | inch | | | |
| -- | -- | -- | -- | -- | -- |
| -- | -- | -- | -- | -- | -- |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|----------------------------|------------------------------|----------------------------|------------------|--------------------------|------|
| <u>3</u> | 1 of 1 | -0.0 | 77.6 | lot 16 con 1 ON | WWIS |
| Well ID: | 3801268 | | | Lot: | 016 |
| Construction Date:: | | | | Concession: | 01 |
| Primary Water Use:: | Commerical | | | Concession Name: | CON |
| Sec. Water Use:: | | | | Easting NAD83:: | |
| Final Well Status:: | Water Supply | | | Northing NAD83:: | |
| Specific Capacity:: | | | | Zone:: | |
| Municipality: | GRIMSBY TOWN (NORTH GRIMSBY) | | | UTM Reliability:: | |
| County: | NIAGARA (LINCOLN) | | | | |

Bore Hole Information

--
Bore Hole ID: 10239052
DP2BR: 24
Code OB: r
Code OB Description: Bedrock
Open Hole:
Date Completed: 14-JUL-51
Remarks:
Zone: 17
East 83: 614417.6
North 83: 4784931
UTMRC: 9
UTMRC Description: unknown UTM
Location Method: p9
Org CS:
Elevation: 78.81
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:

**Overburden and Bedrock
Materials Interval**

--
Formation ID: 931740708
Layer: 1
General Color:
Most Common Material: TOPSOIL
Other Materials: MEDIUM SAND
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft
--
Formation ID: 931740709
Layer: 2
General Color: BROWN
Most Common Material: CLAY
Other Materials: STONES
Other Materials:
Formation Top Depth: 2
Formation End Depth: 5
Formation End Depth UOM: ft
--
Formation ID: 931740710
Layer: 3
General Color: GREY
Most Common Material: CLAY
Other Materials:

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|----------------------------------------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Other Materials: | | | | | |
| Formation Top Depth: | | 5 | | | |
| Formation End Depth: | | 14 | | | |
| Formation End Depth UOM: | | ft | | | |
| -- | | -- | | | |
| Formation ID: | | 931740711 | | | |
| Layer: | | 4 | | | |
| General Color: | | RED | | | |
| Most Common Material: | | CLAY | | | |
| Other Materials: | | | | | |
| Other Materials: | | | | | |
| Formation Top Depth: | | 14 | | | |
| Formation End Depth: | | 24 | | | |
| Formation End Depth UOM: | | ft | | | |
| -- | | -- | | | |
| Formation ID: | | 931740712 | | | |
| Layer: | | 5 | | | |
| General Color: | | RED | | | |
| Most Common Material: | | SHALE | | | |
| Other Materials: | | | | | |
| Other Materials: | | | | | |
| Formation Top Depth: | | 24 | | | |
| Formation End Depth: | | 50 | | | |
| Formation End Depth UOM: | | ft | | | |
| -- | | -- | | | |
| Method of Construction & Well Use | | | | | |
| Use | | | | | |
| -- | | -- | | | |
| Method Construction ID: | | 963801268 | | | |
| Method Construction Code: | | 1 | | | |
| Method Construction: | | Cable Tool | | | |
| Other Method Construction: | | | | | |
| -- | | -- | | | |
| Pipe Information | | | | | |
| -- | | -- | | | |
| Pipe ID: | | 10787622 | | | |
| Casing Number: | | 1 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| -- | | -- | | | |
| Construction Record - Casing | | | | | |
| -- | | -- | | | |
| Casing ID: | | 930404835 | | | |
| Layer: | | 1 | | | |
| Open Hole or Material: | | STEEL | | | |
| Depth From: | | | | | |
| Depth To: | | 27 | | | |
| Casing Diameter: | | 8 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| -- | | -- | | | |
| Casing ID: | | 930404836 | | | |
| Layer: | | 2 | | | |
| Open Hole or Material: | | OPEN HOLE | | | |
| Depth From: | | | | | |
| Depth To: | | 50 | | | |
| Casing Diameter: | | | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| -- | | -- | | | |
| Well Yield Testing | | | | | |
| -- | | -- | | | |
| Pump Test ID: | | 993801268 | | | |
| Pump Set At: | | | | | |
| Static Level: | | 13 | | | |
| Final Level After Pumping: | | 42 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| Recommended Pump Depth: | | | | | |
| Pumping Rate: | | 45 | | | |
| Flowing Rate: | | | | | |
| Recommended Pump Rate: | | | | | |
| Levels UOM: | | ft | | | |
| Rate UOM: | | GPM | | | |
| Water State After Test Code: | | 1 | | | |
| Water State After Test: | | CLEAR | | | |
| Pumping Test Method: | | 2 | | | |
| Pumping Duration HR: | | 1 | | | |
| Pumping Duration MIN: | | 0 | | | |
| Flowing: | | N | | | |
| -- | | -- | | | |
| Water Details | | | | | |
| -- | | -- | | | |
| Water ID: | | 933707017 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 1 | | | |
| Kind: | | FRESH | | | |
| Water Found Depth: | | 47 | | | |
| Water Found Depth UOM: | | ft | | | |
| -- | | -- | | | |
| -- | | -- | | | |

| <u>4</u> | 1 of 1 | S/27.1 | 80.7 | ON | BORE |
|---------------------------------|---------------------------------------|--------|------|------------------------------|-------------------------------------------------------------------------------------------------------------|
| Borehole ID: | 852692 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614459 | | | Northing:: | 4784684 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 82.5 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 84 |
| Total Depth m:: | 6.2 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 17-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623336 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.3 | | | Stratum Desc: | Topsoil |
| Stratum ID: | 218623337 | | | Top Depth(m): | 0.3 |
| Bottom Depth(m): | 4.3 | | | Stratum Desc: | Heterogeneous. Mixture of silt and clay, some sand, trace gravel. Very stiff to hard, brown. (Glacial till) |
| Stratum ID: | 218623338 | | | Top Depth(m): | 4.3 |
| Bottom Depth(m): | 6.2 | | | Stratum Desc: | Shale bedrock. Poor to fair |

| <u>5</u> | 1 of 1 | S/58.6 | 81.2 | ON | BORE |
|---------------------------------|---------------------------------------|--------|------|------------------------------|----------------|
| Borehole ID: | 852693 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614459 | | | Northing:: | 4784650 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 83.7 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 84.1 |
| Total Depth m:: | 7.6 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------------------|-------------------|-------------------------|---------------|----------------------|------------------------------------------------------------------------------------------------------|
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 12-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623339 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 1.1 | | | Stratum Desc: | Silty sand (fill), some gravel. Compact. Brown |
| Stratum ID: | 218623340 | | | Top Depth(m): | 1.1 |
| Bottom Depth(m): | 4.7 | | | Stratum Desc: | Heterogeneous. Mixture of silt and lacy, some sand, trace gravel. Very stiff to hard. (Glacial till) |
| Stratum ID: | 218623341 | | | Top Depth(m): | 4.7 |
| Bottom Depth(m): | 7.6 | | | Stratum Desc: | Shale bedrock. Poor to fair |

| <u>6</u> | 1 of 1 | SE/67.7 | 81.0 | ON | BORE |
|--------------------------|---------------------------------------|---------|------|-----------------------|-------------------------------------------------------------------------------------------------------------|
| Borehole ID: | 852695 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614665 | | | Northing:: | 4784617 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 82.6 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 82.1 |
| Total Depth m:: | 6.7 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 16-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623344 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.1 | | | Stratum Desc: | Topsoil |
| Stratum ID: | 218623345 | | | Top Depth(m): | 0.1 |
| Bottom Depth(m): | 6.7 | | | Stratum Desc: | Heterogeneous. Mixture of silt and clay, some sand, trace gravel. Very stiff to hard. Brown. (Glacial till) |

| <u>7</u> | 1 of 1 | WSW/70.6 | 83.4 | ON | BORE |
|--------------------------|---------------------------------------|----------|------|-----------------------|----------------|
| Borehole ID: | 852689 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614281 | | | Northing:: | 4784746 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 83 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 83.6 |
| Total Depth m:: | 6.2 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 17-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623329 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.2 | | | Stratum Desc: | Topsoil |
| Stratum ID: | 218623330 | | | Top Depth(m): | 0.2 |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------------------------------|---------------------------------------|----------------------------|------------------|------------------------------|------------------------------------------------------------------------------------------------------------------|
| Bottom Depth(m): | | 6.2 | | Stratum Desc: | Shale bedrock. Poor to fair |
| <u>8</u> | 1 of 1 | SE/81.4 | 81.8 | ON | BORE |
| Borehole ID: | 852696 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614654 | | | Northing:: | 4784590 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 83.7 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 82.7 |
| Total Depth m:: | 7.6 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 13-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623346 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.1 | | | Stratum Desc: | Asphalt |
| Stratum ID: | 218623347 | | | Top Depth(m): | 0.1 |
| Bottom Depth(m): | 1.1 | | | Stratum Desc: | Mixture of sand, silt and gravel (fill). Loose. Brown |
| Stratum ID: | 218623348 | | | Top Depth(m): | 1.1 |
| Bottom Depth(m): | 7.6 | | | Stratum Desc: | Heterogeneous. Mixture of silt and clay, some sand, trace gravel. Very stiff to hard, brown. (Glacial till) |
| <u>9</u> | 1 of 1 | S/83.4 | 81.7 | ON | BORE |
| Borehole ID: | 852694 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614452 | | | Northing:: | 4784626 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 82.8 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 84.3 |
| Total Depth m:: | 6.7 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 15-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623342 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 3.3 | | | Stratum Desc: | Heterogeneous. Mixture of silt and clay, some sand, trace gravel. Very stiff to hard. Brown-grey. (Glacial till) |
| Stratum ID: | 218623343 | | | Top Depth(m): | 3.3 |
| Bottom Depth(m): | 6.7 | | | Stratum Desc: | Shale bedrock. Poor to fair |
| <u>10</u> | 1 of 1 | SSE/101.4 | 82.8 | ON | BORE |
| Borehole ID: | 852697 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------------------------------|-------------------|----------------------------|------------------|------------------------------|------------------------------------------------------------------------------------------------------------------|
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614642 | | | Northing:: | 4784564 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 83 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 83.1 |
| Total Depth m:: | 6.7 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 16-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623350 | | | Top Depth(m): | 0.3 |
| Bottom Depth(m): | 6.7 | | | Stratum Desc: | Heterogeneous. Mixture of silt and clay, some sand, trace gravel. Very stiff to hard. Brown-grey. (Glacial till) |
| Stratum ID: | 218623349 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.3 | | | Stratum Desc: | Topsoil |

[11](#) 1 of 1 **WSW/102.4** **83.8** **ON** **BORE**

| | | | | | |
|---------------------------------|---------------------------------------|--|--|------------------------------|---------------------------------------------------|
| Borehole ID: | 852690 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614273 | | | Northing:: | 4784710 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 84.5 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 84.3 |
| Total Depth m:: | 7.7 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 17-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623331 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.8 | | | Stratum Desc: | Mixture of sand, silt and gravel (Fill) Compact |
| Stratum ID: | 218623332 | | | Top Depth(m): | 0.8 |
| Bottom Depth(m): | 1.7 | | | Stratum Desc: | Clayey silt (Fill), trace sand. Very stiff. Brown |
| Stratum ID: | 218623333 | | | Top Depth(m): | 1.7 |
| Bottom Depth(m): | 7.7 | | | Stratum Desc: | Shale bedrock. Poor to fair |

[12](#) 1 of 1 **SW/120.4** **84.8** **ON** **BORE**

| | | | | | |
|---------------------------------|---------------------------------------|--|--|------------------------------|----------|
| Borehole ID: | 602922 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | |
| Drill Method:: | Diamond Drill | | | UTM Zone:: | 17 |
| Easting:: | 614290 | | | Northing:: | 4784673 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 84.6 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 84.9 |
| Total Depth m:: | 5.9 | | | Primary Name:: | |
| Township:: | | | | Concession:: | |
| Lot:: | | | | Municipality: | |
| Completion Date:: | MAR-1965 | | | Static Water Level:: | 0 |
| Primary Water Use:: | Not Used | | | Sec. Water Use:: | |

--Details--

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-----------------------------------------------|-------------------|----------------------------|------------------|----------------------------------------------|------------------------------------------------------------|
| Stratum ID: Bottom Depth(m): | 218359577 2.6 | | | Top Depth(m): Stratum Desc: | 1.5 ROCK, SHALE. WEATHERED, WATER STABLE AT 277.4 FEET. |
| Stratum ID: Bottom Depth(m): | 218359578 5.9 | | | Top Depth(m): Stratum Desc: | 2.6 BEDROCK, SHALE. SOUND. 0180130330000003520230 |
| Stratum ID: Bottom Depth(m): | 218359576 1.5 | | | Top Depth(m): Stratum Desc: | 0.0 SILT, CLAY. BROWN, HARD. |

13 1 of 1 SW/122.9 84.5 ON BORE

| | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use:: | 852691 Geotechnical/Geological Investigation Solid stem auger 614266 6.3 GRIMSBY 0 15-AUG-1994 | | | Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use:: | Borehole Decommissioned 17 4784688 83.7 84.8 CON 1 -999.9 |
| --Details-- Stratum ID: Bottom Depth(m): | 218623334 1.5 | | | Top Depth(m): Stratum Desc: | 0.0 Heterogeneous. Mixture of silt and clay, some sand, trace gravel. Very stiff to hard. (Glacial till) |
| Stratum ID: Bottom Depth(m): | 218623335 6.3 | | | Top Depth(m): Stratum Desc: | 1.5 Shale bedrock. Poor to fair |

14 1 of 9 ESE/137.4 78.8 Grimsby Water Treatment Plant
300 North Service Road
Grimsby ON L3M 4E8 CA

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control:: | 2630-5E4R93 02 9/19/02 Municipal & Private water Approved Amended CofA The Regional Municipality of Niagara 3501 Schmon Parkway Thorold L2V 4Y6 This application is for the approval to modify the existing coagulant feed system at the Grimsby Water Treatment Plant. The modification includes the provision of one (1) additional chemical metering pump for stand-by coagulation. | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

14 2 of 9 ESE/137.4 78.8 Grimsby Water Treatment Plant
300 North Service Road
Grimsby ON L3M 4E8 CA

| | |
|-----------------------|-------------|
| Certificate #: | 4881-575RDM |
|-----------------------|-------------|

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|----|--|
| Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: | | 02 2/20/02 Municipal & Private water Revoked and/or Replaced New Certificate of Approval Corporation of the Regional Municipality of Niagara 3501 Schmon Parkway Thorold L2V 4Y6 A water supply system serving the Towns of Grimsby, Lincoln and West Lincoln, consisting of the following: - Grimsby WTP, conventional plant treating Lake Ontario water, rated at a maximum capacity of 41 ML/d, consisting of low lift pumping station, flocculation tanks, sedimentation tanks, dual-media filters, chemical storage and pumping, high lift pumping station, a 0.8843 ML chlorine contact chamber and an underground reservoir, located to the east of the treatment plant, approximately 10 ML in storage volume - Park Road Pumping Station and Reservoir Rechlorination Facilities rated for 6.48 ML/d, 3.41 ML underground reservoir and sodium hypochlorite disinfection system - Lincoln Booster Pumping Station Rechlorination Facilities rated for 19 ML/d and sodium hypochlorite disinfection system - Hixon Reservoir and Pumping Station Rechlorination Facilities rated for 1.06 ML/d, 5 ML underground reservoir, sodium hypochlorite disinfection system and 1.439 ML underground reservoir isolated from system (emergency storage) - London Road Pumping Station rated at 4.582 ML/d and 0.455 ML reservoir (emergency supply). - Elevated storage provided at the Smithville Tower (2.273 ML). | | | | |
| Contaminants:: Emission Control:: | | | | | | |

| | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------|------|
| 14 | 3 of 9 | ESE/137.4 | 78.8 | REGIONAL MUNICIPALITY OF NIAGARA - PUBLIC WORKS - WATER & WASTEWATER SERVICE MAINTENANCE 300 NORTH SERVICE RD GRIMSBY ON L3M 4E8 | CFOT |
| Registration No.: Licence No.: Tank Size: Instance Number: Facility Type: Status Name: Corrosion Protection: Fuel Type: Year Installed: Tank Material: Distributor: Contact Name: Contact Address: Contact Address2: Contact City: Comments: | | 23000 46143586 FS Fuel Oil Tank Active Fuel Oil 1993 Steel | | | |

| | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------|------|----------------------------------------------------------------------------------|-----|
| 14 | 4 of 9 | ESE/137.4 | 78.8 | Regional Municipality of Niagara 300 North Service Road Grimsby ON L3M 4E8 | GEN |
| PO Box Num: Status: Country: Generator #: Approval Yrs.: SIC Code: SIC Description: | | ON8973080 2009 221310 Water Supply and Irrigation Systems | | | |
| --Details-- Waste Code: Waste Description: | | 114 OTHER INORGANIC ACID WASTES | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------------------------|-------------------|--------------------------------------|------------------|-----------------------------------------------------------------------------------------------------|-----|
| Waste Code: | | 252 | | | |
| Waste Description: | | WASTE OILS & LUBRICANTS | | | |
| 14 | 5 of 9 | ESE/137.4 | 78.8 | Regional Municipality of Niagara Water/Wastewater 300 North Service Road Grimsby ON L3M4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | Registered | | | |
| Country: | | Canada | | | |
| Generator #: | | ON8973080 | | | |
| Approval Yrs.: | | As of Sep 2016 | | | |
| SIC Code: | | | | | |
| SIC Description: | | | | | |
| --Details-- | | | | | |
| Waste Code: | | 114 L | | | |
| Waste Description: | | Other inorganic acid wastes | | | |
| Waste Code: | | 148 C | | | |
| Waste Description: | | Misc. wastes and inorganic chemicals | | | |
| Waste Code: | | 263 I | | | |
| Waste Description: | | Misc. waste organic chemicals | | | |
| 14 | 6 of 9 | ESE/137.4 | 78.8 | Regional Municipality of Niagara 300 North Service Road Grimsby ON L3M 4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: | | ON8973080 | | | |
| Approval Yrs.: | | 07,08 | | | |
| SIC Code: | | 221310 | | | |
| SIC Description: | | Water Supply and Irrigation Systems | | | |
| --Details-- | | | | | |
| Waste Code: | | 114 | | | |
| Waste Description: | | OTHER INORGANIC ACID WASTES | | | |
| Waste Code: | | 252 | | | |
| Waste Description: | | WASTE OILS & LUBRICANTS | | | |
| 14 | 7 of 9 | ESE/137.4 | 78.8 | Regional Municipality of Niagara 300 North Service Road Grimsby ON L3M 4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: | | ON8973080 | | | |
| Approval Yrs.: | | 2012 | | | |
| SIC Code: | | 221310 | | | |
| SIC Description: | | Water Supply and Irrigation Systems | | | |
| --Details-- | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|------------------------------|--------------------------|-------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------|------------|
| Waste Code: | | 114 | | | |
| Waste Description: | | OTHER INORGANIC ACID WASTES | | | |
| Waste Code: | | 252 | | | |
| Waste Description: | | WASTE OILS & LUBRICANTS | | | |
| <u>14</u> | 8 of 9 | ESE/137.4 | 78.8 | Regional Municipality of Niagara 300 North Service Road Grimsby ON L3M 4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: | | ON8973080 | | | |
| Approval Yrs:: | | 2011 | | | |
| SIC Code: | | 221310 | | | |
| SIC Description: | | Water Supply and Irrigation Systems | | | |
| --Details-- | | | | | |
| Waste Code: | | 252 | | | |
| Waste Description: | | WASTE OILS & LUBRICANTS | | | |
| Waste Code: | | 114 | | | |
| Waste Description: | | OTHER INORGANIC ACID WASTES | | | |
| <u>14</u> | 9 of 9 | ESE/137.4 | 78.8 | Regional Municipality of Niagara 300 North Service Road Grimsby ON L3M 4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: | | ON8973080 | | | |
| Approval Yrs:: | | 2010 | | | |
| SIC Code: | | 221310 | | | |
| SIC Description: | | Water Supply and Irrigation Systems | | | |
| --Details-- | | | | | |
| Waste Code: | | 252 | | | |
| Waste Description: | | WASTE OILS & LUBRICANTS | | | |
| Waste Code: | | 114 | | | |
| Waste Description: | | OTHER INORGANIC ACID WASTES | | | |
| <u>15</u> | 1 of 1 | SE/155.8 | 80.7 | R.M. OF NIAGARA-PT.LOT 476/CORP.PLAN #4 GRIMSBY WATER TREAT. PLANT GRIMSBY TOWN ON | CA |
| Certificate #: | | 7-1166-91- | | | |
| Application Year: | | 91 | | | |
| Issue Date: | | 12/2/1991 | | | |
| Approval Type: | | Municipal water | | | |
| Status: | | Approved | | | |
| Application Type: | | | | | |
| Client Name:: | | | | | |
| Client Address:: | | | | | |
| Client City:: | | | | | |
| Client Postal Code:: | | | | | |
| Project Description:: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------------------|-------------------|----------------------------|------------------|-------------------------------------------------------------------------------------------------|-----|
| Contaminants:: | | | | | |
| Emission Control:: | | | | | |
| 16 | 1 of 6 | SSW/165.5 | 84.8 | 337 South Service Road Grimsby ON | EHS |
| Postal Code: | | | | | |
| City: Grimsby | | | | | |
| Address2: | | | | | |
| Address1: 337 South Service Road | | | | | |
| Provstate: ON | | | | | |
| Order No.: 20160616167 | | | | | |
| Addit. Info Ordered:: | | | | | |
| Report Date: 23-JUN-16 | | | | | |
| Report Type: Standard Report | | | | | |
| Search Radius (km): .25 | | | | | |
| 16 | 2 of 6 | SSW/165.5 | 84.8 | LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV 337 SOUTH SERVICE RD GRIMSBY ON | EXP |
| Instance ID: 306497 | | | | | |
| TSSA Program Area: | | | | | |
| Maximum Hazard Rank: | | | | | |
| Facility Type: | | | | | |
| Expired Date: | | | | | |
| Instance Number: 38460649 | | | | | |
| Instance Type: FS Piping | | | | | |
| Status: EXPIRED | | | | | |
| Description: FS Piping | | | | | |
| 16 | 3 of 6 | SSW/165.5 | 84.8 | LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV 337 SOUTH SERVICE RD GRIMSBY ON | EXP |
| Instance ID: 306223 | | | | | |
| TSSA Program Area: | | | | | |
| Maximum Hazard Rank: | | | | | |
| Facility Type: | | | | | |
| Expired Date: | | | | | |
| Instance Number: 38460650 | | | | | |
| Instance Type: FS Piping | | | | | |
| Status: EXPIRED | | | | | |
| Description: FS Piping | | | | | |
| 16 | 4 of 6 | SSW/165.5 | 84.8 | LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV 337 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | FST |
| Instance Number: 38460644 | | | | | |
| Cont Name: | | | | | |
| Instance Type: FS Liquid Fuel Tank | | | | | |
| Fuel Type: Diesel | | | | | |
| Status: Active | | | | | |
| Capacity: 65000 | | | | | |
| Tank Material: Fiberglass (FRP) | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|------------------------------|-------------------|----------------------------------------|------------------|-------------------------------------------------------------------------------------------------|------|
| Corrosion Protection: | | Fiberglass | | | |
| Tank Type: | | Double Wall UST | | | |
| Install Year: | | 2005 | | | |
| Parent Facility Type: | | FS Gasoline Station - Self Serve | | | |
| Facility Type: | | FS Liquid Fuel Tank | | | |
| 16 | 5 of 6 | SSW/165.5 | 84.8 | LOBLAW PROPERTIES LTD AT THE PUMPS GAS BAR DIV 337 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | FST |
| Instance Number: | | 38460645 | | | |
| Cont Name: | | | | | |
| Instance Type: | | FS Liquid Fuel Tank | | | |
| Fuel Type: | | Gasoline | | | |
| Status: | | Active | | | |
| Capacity: | | 65000 | | | |
| Tank Material: | | Fiberglass (FRP) | | | |
| Corrosion Protection: | | Fiberglass | | | |
| Tank Type: | | Double Wall UST | | | |
| Install Year: | | 2005 | | | |
| Parent Facility Type: | | FS Gasoline Station - Self Serve | | | |
| Facility Type: | | FS Liquid Fuel Tank | | | |
| 16 | 6 of 6 | SSW/165.5 | 84.8 | LOBLAW PROPERTIES LTD AT THE PUMPS GASBAR DIV 337 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | FSTH |
| License Issue Date: | | 9/11/2006 11:17:00 AM | | | |
| Tank Status: | | Licensed | | | |
| Tank Status As Of: | | December 2008 | | | |
| Operation Type: | | Retail Fuel Outlet | | | |
| Facility Type: | | Gasoline Station - Self Serve | | | |
| --Details-- | | | | | |
| Status: | | Active | | | |
| Year of Installation: | | 2005 | | | |
| Corrosion Protection: | | | | | |
| Capacity: | | 65000 | | | |
| Tank Fuel Type: | | Liquid Fuel Double Wall UST - Gasoline | | | |
| Status: | | Active | | | |
| Year of Installation: | | 2005 | | | |
| Corrosion Protection: | | | | | |
| Capacity: | | 65000 | | | |
| Tank Fuel Type: | | Liquid Fuel Double Wall UST - Gasoline | | | |
| 17 | 1 of 2 | SSE/166.5 | 84.0 | Grimsby ON | WWIS |
| Well ID: | | 7239578 | | Lot: | |
| Construction Date:: | | | | Concession: | |
| Primary Water Use:: | | Monitoring | | Concession Name: | |
| Sec. Water Use:: | | | | Easting NAD83:: | |
| Final Well Status:: | | Abandoned-Other | | Northing NAD83:: | |
| Specific Capacity:: | | | | Zone:: | |
| Municipality: | | GRIMSBY TOWN (NORTH GRIMSBY) | | UTM Reliability:: | |
| County: | | NIAGARA (LINCOLN) | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|--------------------------------------------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Bore Hole Information | | | | | |
| -- | -- | -- | -- | -- | -- |
| Bore Hole ID: | | 1005321343 | | | |
| DP2BR: | | | | | |
| Code OB: | | | | | |
| Code OB Description: | | | | | |
| Open Hole: | | | | | |
| Date Completed: | | 27-FEB-15 | | | |
| Remarks: | | | | | |
| Zone: | | 17 | | | |
| East 83: | | 614638 | | | |
| North 83: | | 4784497 | | | |
| UTMRC: | | 4 | | | |
| UTMRC Description: | | margin of error : 30 m - 100 m | | | |
| Location Method: | | wwr | | | |
| Org CS: | | UTM83 | | | |
| Elevation: | | | | | |
| Elevrc: | | | | | |
| Elevrc Description: | | | | | |
| Location Source Date: | | | | | |
| Source Revision Comment: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Supplier Comment: | | | | | |
| Spatial Status: | | | | | |
| -- | -- | -- | -- | -- | -- |
| Overburden and Bedrock Materials Interval | | | | | |
| -- | -- | -- | -- | -- | -- |
| Formation ID: | | 1005583327 | | | |
| Layer: | | | | | |
| General Color: | | | | | |
| Most Common Material: | | | | | |
| Other Materials: | | | | | |
| Other Materials: | | | | | |
| Formation Top Depth: | | | | | |
| Formation End Depth: | | | | | |
| Formation End Depth UOM: | | m | | | |
| -- | -- | -- | -- | -- | -- |
| Annular Space/Abandonment Sealing Record | | | | | |
| -- | -- | -- | -- | -- | -- |
| Plug ID: | | 1005583334 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | 9.1 | | | |
| Plug Depth UOM: | | m | | | |
| -- | -- | -- | -- | -- | -- |
| Method of Construction & Well Use | | | | | |
| -- | -- | -- | -- | -- | -- |
| Method Construction ID: | | 1005583333 | | | |
| Method Construction Code: | | 6 | | | |
| Method Construction: | | Boring | | | |
| Other Method Construction: | | | | | |
| -- | -- | -- | -- | -- | -- |
| Pipe Information | | | | | |
| -- | -- | -- | -- | -- | -- |
| Pipe ID: | | 1005583326 | | | |
| Casing Number: | | 0 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| -- | -- | -- | -- | -- | -- |
| Construction Record - Casing | | | | | |
| -- | -- | -- | -- | -- | -- |
| Casing ID: | | 1005583330 | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| Layer: | | | | | |
| Open Hole or Material: | | | | | |
| Depth From: | | | | | |
| Depth To: | | | | | |
| Casing Diameter: | | | | | |
| Casing Diameter UOM: cm | | | | | |
| Casing Depth UOM: m | | | | | |
| -- | | | | | |
| -- | | | | | |
| Construction Record - Screen | | | | | |
| -- | | | | | |
| Screen ID: 1005583331 | | | | | |
| Layer: | | | | | |
| Slot: | | | | | |
| Screen Top Depth: | | | | | |
| Screen End Depth: | | | | | |
| Screen Material: | | | | | |
| Screen Depth UOM: m | | | | | |
| Screen Diameter UOM: cm | | | | | |
| Screen Diameter: | | | | | |
| -- | | | | | |
| Hole Diameter | | | | | |
| -- | | | | | |
| Hole ID: 1005583328 | | | | | |
| Diameter: 21 | | | | | |
| Depth From: 0 | | | | | |
| Depth To: 9.1 | | | | | |
| Hole Depth UOM: m | | | | | |
| Hole Diameter UOM: cm | | | | | |
| -- | | | | | |
| -- | | | | | |

[17](#) 2 of 2 SSE/166.5 84.0 Grimsby ON WWIS

| | | | |
|----------------------------|------------------------------|--------------------------|--|
| Well ID: | 7238998 | Lot: | |
| Construction Date:: | | Concession: | |
| Primary Water Use:: | Monitoring | Concession Name: | |
| Sec. Water Use:: | | Easting NAD83:: | |
| Final Well Status:: | Test Hole | Northing NAD83:: | |
| Specific Capacity:: | | Zone:: | |
| Municipality: | GRIMSBY TOWN (NORTH GRIMSBY) | UTM Reliability:: | |
| County: | NIAGARA (LINCOLN) | | |

Bore Hole Information

--

Bore Hole ID: 1005317539

DP2BR:

Code OB:

Code OB Description:

Open Hole:

Date Completed: 09-DEC-14

Remarks:

Zone: 17

East 83: 614638

North 83: 4784497

UTMRC: 4

UTMRC Description: margin of error : 30 m - 100 m

Location Method: wwr

Org CS: UTM83

Elevation:

Elevrc:

Elevrc Description:

Location Source Date:

Source Revision Comment:

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|------------------------------------------------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Supplier Comment: | | | | | |
| Spatial Status: | | | | | |
| -- | | | | | |
| Overburden and Bedrock Materials Interval | | | | | |
| -- | | | | | |
| Formation ID: 1005572083 | | | | | |
| Layer: 1 | | | | | |
| General Color: BROWN | | | | | |
| Most Common Material: CLAY | | | | | |
| Other Materials: SILT | | | | | |
| Other Materials: DENSE | | | | | |
| Formation Top Depth: 0 | | | | | |
| Formation End Depth: 2.3 | | | | | |
| Formation End Depth UOM: ft | | | | | |
| -- | | | | | |
| Formation ID: 1005572084 | | | | | |
| Layer: 2 | | | | | |
| General Color: GREY | | | | | |
| Most Common Material: CLAY | | | | | |
| Other Materials: SILT | | | | | |
| Other Materials: HARD | | | | | |
| Formation Top Depth: 2.3 | | | | | |
| Formation End Depth: 7 | | | | | |
| Formation End Depth UOM: ft | | | | | |
| -- | | | | | |
| Formation ID: 1005572085 | | | | | |
| Layer: 3 | | | | | |
| General Color: RED | | | | | |
| Most Common Material: SAND | | | | | |
| Other Materials: SILT | | | | | |
| Other Materials: LOOSE | | | | | |
| Formation Top Depth: 7 | | | | | |
| Formation End Depth: 9.1 | | | | | |
| Formation End Depth UOM: ft | | | | | |
| -- | | | | | |
| Annular Space/Abandonment Sealing Record | | | | | |
| -- | | | | | |
| Plug ID: 1005572092 | | | | | |
| Layer: 1 | | | | | |
| Plug From: 0 | | | | | |
| Plug To: .8 | | | | | |
| Plug Depth UOM: ft | | | | | |
| -- | | | | | |
| Plug ID: 1005572093 | | | | | |
| Layer: 2 | | | | | |
| Plug From: .8 | | | | | |
| Plug To: 5.6 | | | | | |
| Plug Depth UOM: ft | | | | | |
| -- | | | | | |
| Method of Construction & Well Use | | | | | |
| -- | | | | | |
| Method Construction ID: 1005572091 | | | | | |
| Method Construction Code: 6 | | | | | |
| Method Construction: Boring | | | | | |
| Other Method Construction: | | | | | |
| -- | | | | | |
| Pipe Information | | | | | |
| -- | | | | | |
| Pipe ID: 1005572082 | | | | | |
| Casing Number: 0 | | | | | |
| Comment: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------------|-------------------|----------------------------|------------------|------|----|
| Alt Name: | | | | | |
| -- | | | | | |
| Construction Record - Casing | | | | | |
| -- | | | | | |
| Casing ID: | | | 1005572088 | | |
| Layer: | | | 1 | | |
| Open Hole or Material: | | | PLASTIC | | |
| Depth From: | | | 0 | | |
| Depth To: | | | 6.1 | | |
| Casing Diameter: | | | 5.1 | | |
| Casing Diameter UOM: | | | inch | | |
| Casing Depth UOM: | | | ft | | |
| -- | | | | | |
| Construction Record - Screen | | | | | |
| -- | | | | | |
| Screen ID: | | | 1005572089 | | |
| Layer: | | | 1 | | |
| Slot: | | | 10 | | |
| Screen Top Depth: | | | 6.1 | | |
| Screen End Depth: | | | 9.1 | | |
| Screen Material: | | | 5 | | |
| Screen Depth UOM: | | | ft | | |
| Screen Diameter UOM: | | | inch | | |
| Screen Diameter: | | | 6.4 | | |
| -- | | | | | |
| Water Details | | | | | |
| -- | | | | | |
| Water ID: | | | 1005572087 | | |
| Layer: | | | 1 | | |
| Kind Code: | | | 8 | | |
| Kind: | | | Untested | | |
| Water Found Depth: | | | 6.1 | | |
| Water Found Depth UOM: | | | ft | | |
| -- | | | | | |
| Hole Diameter | | | | | |
| -- | | | | | |
| Hole ID: | | | 1005572086 | | |
| Diameter: | | | 21 | | |
| Depth From: | | | 0 | | |
| Depth To: | | | 9.1 | | |
| Hole Depth UOM: | | | ft | | |
| Hole Diameter UOM: | | | inch | | |
| -- | | | | | |
| -- | | | | | |

[18](#) 1 of 1 **W/181.9** **84.6** **ON** **BORE**

| | | | |
|---------------------------------|---------------------------------------|------------------------------|----------------|
| Borehole ID: | 852825 | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | Status:: | Decommissioned |
| Drill Method:: | Hollow stem auger | UTM Zone:: | 17 |
| Easting:: | 614114 | Northing:: | 4784804 |
| Location Accuracy:: | | Orig. Ground Elev m:: | 83.9 |
| Elev. Reliability Note:: | | DEM Ground Elev m:: | 84.8 |
| Total Depth m:: | 4.6 | Primary Name:: | |
| Township:: | GRIMSBY | Concession:: | CON 1 |
| Lot:: | 0 | Municipality: | |
| Completion Date:: | 02-JUN-1966 | Static Water Level:: | .7 |
| Primary Water Use:: | | Sec. Water Use:: | |

--Details--

| | | | |
|-------------------------|-----------|----------------------|-------------|
| Stratum ID: | 218623761 | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.7 | Stratum Desc: | Clayey silt |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------------------------------|-------------------|----------------------------------------------|---------------|------------------------------------------------------------------|---------------------------------------------------|
| Stratum ID: | | 218623762 | | Top Depth(m): | 0.7 |
| Bottom Depth(m): | | 4.6 | | Stratum Desc: | Weathered to sound shale bedrock |
| 19 | 1 of 1 | WSW/191.1 | 84.8 | ON | BORE |
| Borehole ID: | | 852837 | | Type: | Borehole |
| Use: | | Geotechnical/Geological Investigation | | Status:: | Decommissioned |
| Drill Method:: | | Diamond Drill | | UTM Zone:: | 17 |
| Easting:: | | 614135 | | Northing:: | 4784739 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 8.4 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 85 |
| Total Depth m:: | | 5.9 | | Primary Name:: | |
| Township:: | | GRIMSBY | | Concession:: | CON 1 |
| Lot:: | | 0 | | Municipality: | |
| Completion Date:: | | 24-MAR-1965 | | Static Water Level:: | .3 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | | 218623784 | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | | 1.5 | | Stratum Desc: | Clayey silt, hard, reddish brown |
| Stratum ID: | | 218623785 | | Top Depth(m): | 1.5 |
| Bottom Depth(m): | | 5.9 | | Stratum Desc: | Weathered to sound Queenston Shale, reddish brown |
| 20 | 1 of 1 | W/198.9 | 84.2 | ON | BORE |
| Borehole ID: | | 852824 | | Type: | Borehole |
| Use: | | Geotechnical/Geological Investigation | | Status:: | Decommissioned |
| Drill Method:: | | Hollow stem auger | | UTM Zone:: | 17 |
| Easting:: | | 614088 | | Northing:: | 4784827 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 83.8 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 84.6 |
| Total Depth m:: | | 5.1 | | Primary Name:: | |
| Township:: | | GRIMSBY | | Concession:: | CON 1 |
| Lot:: | | 0 | | Municipality: | |
| Completion Date:: | | 01-JUN-1966 | | Static Water Level:: | .4 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | | 218623759 | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | | 1.0 | | Stratum Desc: | Clayey silt |
| Stratum ID: | | 218623760 | | Top Depth(m): | 1.0 |
| Bottom Depth(m): | | 5.1 | | Stratum Desc: | Weathered to sound shale bedrock |
| 21 | 1 of 8 | W/202.5 | 84.8 | FIFTH WHEEL TRUCK STOP CASABLANCA & QEW GRIMSBY ON L3M 4E8 | RST |
| Code: | | 01186800 | | | |
| Facility: | | SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS | | | |
| Description: | | | | | |
| List Name: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----|
| 21 | 2 of 8 | W/202.5 | 84.8 | TRANSPORT TRUCK WESTBOUND QEW AT ON RAMP AT CASABLANCA BLVD - GRIMSBY. MOTOR VEHICLE (OPERATING FLUID) NIAGARA R.M. ON | SPL |
| Ref NO: 17019 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause:: OTHER CONTAINER LEAK Incident Dt: 4/12/1989 Incident Reason:: OVERSTRESS/OVERPRESSURE Incident Summary:: 500 L DIESEL FUEL TO ROADAND MEDIAN. MOE Reported Dt: 4/12/1989 Environmental Impact:: Nature of Impact:: Receiving Medium:: LAND SAC Action Class: Sector Source Type: Site Municipality: 18000 | | | | | |
| 21 | 3 of 8 | W/202.5 | 84.8 | QEW (Toronto Bound) and Casablanca Blvd<UNOFFICIAL> Grimsby ON | SPL |
| Ref NO: 2315-79EPE5 Contaminant Code: 13 Contaminant Name: DIESEL FUEL Contaminant Quantity: 67.5 L Incident Cause:: Other Transport Accident Incident Dt: Incident Reason:: Other - Reason not otherwise defined Incident Summary:: QEW & Casablanca: <68 L of diesel to grnd, clng MOE Reported Dt: 11/29/2007 Environmental Impact:: Possible Nature of Impact:: Soil Contamination Receiving Medium:: Land SAC Action Class: Sector Source Type: Other Motor Vehicle Site Municipality: Grimsby | | | | | |
| 21 | 4 of 8 | W/202.5 | 84.8 | TANK TRUCK QEW WESTBOUND, WEST OF CASA BLANCA BLVD.TOWARD HAMILTON, OUTSIDE GRIMSBY TANK TRUCK (CARGO) STONEY CREEK CITY ON | SPL |
| Ref NO: 83345 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause:: OTHER TRANSPORTATION ACCIDENT Incident Dt: 3/30/1993 Incident Reason:: UNKNOWN Incident Summary:: BUTLER TRUCKING - SLUDGE TO ROADWAY & POLICE CRUISER. MOE Reported Dt: 3/30/1993 Environmental Impact:: NOT ANTICIPATED Nature of Impact:: Receiving Medium:: LAND SAC Action Class: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------|-------------------|------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------|------------|
| Sector Source Type: | | | | | |
| Site Municipality: | | 16102 | | | |
| 21 | 5 of 8 | W/202.5 | 84.8 | MOTOR VEHICLE QEW AT CASABLANCA OVERPASS MOTOR VEHICLE (OPERATING FLUID) GRIMSBY TOWN ON | SPL |
| Ref NO: | | 46987 | | | |
| Contaminant Code: | | | | | |
| Contaminant Name: | | | | | |
| Contaminant Quantity: | | | | | |
| Incident Cause:: | | OTHER TRANSPORTATION ACCIDENT | | | |
| Incident Dt: | | 2/25/1991 | | | |
| Incident Reason:: | | ERROR | | | |
| Incident Summary:: | | MOTOR VEHICLE -300 L. DIESEL FUEL TO QEW HWY. MEDIAN, CONTAINED. | | | |
| MOE Reported Dt: | | 2/25/1991 | | | |
| Environmental Impact:: | | POSSIBLE | | | |
| Nature of Impact:: | | Soil contamination | | | |
| Receiving Medium:: | | LAND | | | |
| SAC Action Class: | | | | | |
| Sector Source Type: | | | | | |
| Site Municipality: | | 18402 | | | |
| 21 | 6 of 8 | W/202.5 | 84.8 | on-ramp QEW, Casablanca Blvd Grimsby ON | SPL |
| Ref NO: | | 1827-9C5NU8 | | | |
| Contaminant Code: | | 13 | | | |
| Contaminant Name: | | DIESEL FUEL | | | |
| Contaminant Quantity: | | 320 L | | | |
| Incident Cause:: | | Leak/Break | | | |
| Incident Dt: | | 2013/10/03 | | | |
| Incident Reason:: | | Unknown / N/A | | | |
| Incident Summary:: | | MVA: diesel on-ramp/ditch. contained | | | |
| MOE Reported Dt: | | 2013/10/03 | | | |
| Environmental Impact:: | | Confirmed | | | |
| Nature of Impact:: | | Surface Water Pollution | | | |
| Receiving Medium:: | | | | | |
| SAC Action Class: | | Land Spills | | | |
| Sector Source Type: | | Truck - Transport/Hauling | | | |
| Site Municipality: | | Grimsby | | | |
| 21 | 7 of 8 | W/202.5 | 84.8 | TRANSPORT TRUCK QEW EASTBOUND,EAST OF CASBLANCA RD. MOTOR VEHICLE (OPERATING FLUID) GRIMSBY TOWN ON | SPL |
| Ref NO: | | 146473 | | | |
| Contaminant Code: | | | | | |
| Contaminant Name: | | | | | |
| Contaminant Quantity: | | | | | |
| Incident Cause:: | | OTHER CONTAINER LEAK | | | |
| Incident Dt: | | 9/14/1997 | | | |
| Incident Reason:: | | ERROR | | | |
| Incident Summary:: | | STRICK LEASE-900 L DIESEL TO DITCH,MVA,OPP,FD,MTO, CONTAINED. | | | |
| MOE Reported Dt: | | 9/15/1997 | | | |
| Environmental Impact:: | | POSSIBLE | | | |
| Nature of Impact:: | | Soil contamination | | | |
| Receiving Medium:: | | LAND | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|----------------------------------------------------------------------------------|-------------------|----------------------------|------------------|----------------------------------------------------------------------------------------------------------------------|------|
| SAC Action Class: | | | | | |
| Sector Source Type: | | | | | |
| Site Municipality: | | 18402 | | | |
| 21 | 8 of 8 | W/202.5 | 84.8 | FREDERICK TRANSPORT FIFTH WHEEL TRUCK STOP QEW & CASABLANCA ROAD TRANSPORT TRUCK (CARGO) GRIMSBY TOWN ON | SPL |
| Ref NO: 4648 | | | | | |
| Contaminant Code: | | | | | |
| Contaminant Name: | | | | | |
| Contaminant Quantity: | | | | | |
| Incident Cause:: UNKNOWN | | | | | |
| Incident Dt: 6/2/1988 | | | | | |
| Incident Reason:: UNKNOWN | | | | | |
| Incident Summary:: FREDERICK TRANSPORT - 700LITRES DIESEL FUEL TO GROUND. | | | | | |
| MOE Reported Dt: 6/3/1988 | | | | | |
| Environmental Impact:: NOT ANTICIPATED | | | | | |
| Nature of Impact:: | | | | | |
| Receiving Medium:: LAND | | | | | |
| SAC Action Class: | | | | | |
| Sector Source Type: | | | | | |
| Site Municipality: | | 18402 | | | |
| 22 | 1 of 1 | WSW/203.9 | 84.8 | ON | BORE |
| Borehole ID: 852829 | | | | | |
| Use: Geotechnical/Geological Investigation | | | | | |
| Drill Method:: Hollow stem auger | | | | | |
| Easting:: 614126 | | | | | |
| Location Accuracy:: | | | | | |
| Elev. Reliability Note:: | | | | | |
| Total Depth m:: 4.7 | | | | | |
| Township:: GRIMSBY | | | | | |
| Lot:: 0 | | | | | |
| Completion Date:: 06-JUN-1966 | | | | | |
| Primary Water Use:: | | | | | |
| Type: Borehole | | | | | |
| Status:: Decommissioned | | | | | |
| UTM Zone:: 17 | | | | | |
| Northing:: 4784730 | | | | | |
| Orig. Ground Elev m:: 85.2 | | | | | |
| DEM Ground Elev m:: 85 | | | | | |
| Primary Name:: | | | | | |
| Concession:: CON 1 | | | | | |
| Municipality: | | | | | |
| Static Water Level:: 1.8 | | | | | |
| Sec. Water Use:: | | | | | |
| --Details-- | | | | | |
| Stratum ID: 218623769 | | | | | |
| Bottom Depth(m): 1.5 | | | | | |
| Top Depth(m): 0.0 | | | | | |
| Stratum Desc: Clayey silt | | | | | |
| Stratum ID: 218623770 | | | | | |
| Bottom Depth(m): 4.7 | | | | | |
| Top Depth(m): 1.5 | | | | | |
| Stratum Desc: Weathered to sound shale bedrock | | | | | |
| 23 | 1 of 1 | W/209.1 | 84.8 | ON | BORE |
| Borehole ID: 852826 | | | | | |
| Use: Geotechnical/Geological Investigation | | | | | |
| Drill Method:: Hollow stem auger | | | | | |
| Easting:: 614091 | | | | | |
| Location Accuracy:: | | | | | |
| Elev. Reliability Note:: | | | | | |
| Total Depth m:: 4.5 | | | | | |
| Township:: GRIMSBY | | | | | |
| Lot:: 0 | | | | | |
| Type: Borehole | | | | | |
| Status:: Decommissioned | | | | | |
| UTM Zone:: 17 | | | | | |
| Northing:: 4784790 | | | | | |
| Orig. Ground Elev m:: 84.3 | | | | | |
| DEM Ground Elev m:: 84.9 | | | | | |
| Primary Name:: | | | | | |
| Concession:: CON 1 | | | | | |
| Municipality: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------------------------------|---------------------------------------|----------------------------|------------------|------------------------------|-------------------------------------------------------------------------------------------------------------|
| Completion Date:: | 02-JUN-1966 | | | Static Water Level:: | .9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623763 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 1.0 | | | Stratum Desc: | Clayey silt |
| Stratum ID: | 218623764 | | | Top Depth(m): | 1.0 |
| Bottom Depth(m): | 4.5 | | | Stratum Desc: | Weathered to sound shale bedrock |
| 24 | 1 of 1 | W/210.6 | 84.8 | ON | BORE |
| Borehole ID: | 852686 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614086 | | | Northing:: | 4784796 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 83.3 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 84.9 |
| Total Depth m:: | 6.2 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 18-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623321 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.2 | | | Stratum Desc: | Topsoil |
| Stratum ID: | 218623322 | | | Top Depth(m): | 0.2 |
| Bottom Depth(m): | 1.5 | | | Stratum Desc: | Heterogeneous. Mixture of silt and clay, some sand, trace gravel. Very stiff to hard. Brown. (Glacial till) |
| Stratum ID: | 218623323 | | | Top Depth(m): | 1.5 |
| Bottom Depth(m): | 6.2 | | | Stratum Desc: | Shale bedrock. Fair to good |
| 25 | 1 of 1 | WSW/223.1 | 84.8 | ON | BORE |
| Borehole ID: | 852827 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Hollow stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614124 | | | Northing:: | 4784698 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 85.5 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 85.2 |
| Total Depth m:: | 4.7 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 03-JUN-1966 | | | Static Water Level:: | 1.7 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623765 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.6 | | | Stratum Desc: | Clayey silt |
| Stratum ID: | 218623766 | | | Top Depth(m): | 0.6 |
| Bottom Depth(m): | 4.7 | | | Stratum Desc: | Weathered to sound shale bedrock |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------|------------------|---------------------------------------------------|------|
| 26 | 1 of 1 | SE/225.4 | 82.2 | METROLINX 325 South Service Road Grimsby ON | GEN |
| PO Box Num: Status: Country: Generator #: ON9459264 Approval Yrs:: As of May 2015 SIC Code: SIC Description: | | | | | |
| --Details-- | | | | | |
| Waste Code: 146 | | | | | |
| Waste Description: Other specified inorganic sludges, slurries or solids | | | | | |
| 27 | 1 of 2 | SE/229.6 | 83.4 | Grimsby ON | WWIS |
| Well ID: 7239579 Construction Date:: Primary Water Use:: Monitoring Sec. Water Use:: Final Well Status:: Abandoned-Other Specific Capacity:: Municipality: GRIMSBY TOWN (NORTH GRIMSBY) County: NIAGARA (LINCOLN) | | | | | |
| Lot: Concession: Concession Name: Easting NAD83:: Northing NAD83:: Zone:: UTM Reliability:: | | | | | |
| Bore Hole Information | | | | | |
| -- | | | | | |
| Bore Hole ID: 1005321346 | | | | | |
| DP2BR: | | | | | |
| Code OB: | | | | | |
| Code OB Description: | | | | | |
| Open Hole: | | | | | |
| Date Completed: 27-FEB-15 | | | | | |
| Remarks: | | | | | |
| Zone: 17 | | | | | |
| East 83: 614744 | | | | | |
| North 83: 4784472 | | | | | |
| UTMRC: 4 | | | | | |
| UTMRC Description: margin of error : 30 m - 100 m | | | | | |
| Location Method: wwr | | | | | |
| Org CS: UTM83 | | | | | |
| Elevation: | | | | | |
| Elevrc: | | | | | |
| Elevrc Description: | | | | | |
| Location Source Date: | | | | | |
| Source Revision Comment: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Supplier Comment: | | | | | |
| Spatial Status: | | | | | |
| -- | | | | | |
| Overburden and Bedrock Materials Interval | | | | | |
| -- | | | | | |
| Formation ID: 1005583425 | | | | | |
| Layer: | | | | | |
| General Color: | | | | | |
| Most Common Material: | | | | | |
| Other Materials: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------------------------|--------------------------|------------------------------------|--------------------------|-------------|-----------|
| Other Materials: | | | | | |
| Formation Top Depth: | | | | | |
| Formation End Depth: | | | | | |
| Formation End Depth UOM: | | m | | | |
| -- | | -- | | | |
| Annular Space/Abandonment Sealing Record | | | | | |
| -- | | -- | | | |
| Plug ID: | | 1005583433 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | 9.1 | | | |
| Plug Depth UOM: | | m | | | |
| -- | | -- | | | |
| Plug ID: | | 1005583432 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | 9.1 | | | |
| Plug Depth UOM: | | m | | | |
| -- | | -- | | | |
| Method of Construction & Well Use | | | | | |
| -- | | -- | | | |
| Method Construction ID: | | 1005583431 | | | |
| Method Construction Code: | | 6 | | | |
| Method Construction: | | Boring | | | |
| Other Method Construction: | | | | | |
| -- | | -- | | | |
| Pipe Information | | | | | |
| -- | | -- | | | |
| Pipe ID: | | 1005583424 | | | |
| Casing Number: | | 0 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| -- | | -- | | | |
| Construction Record - Casing | | | | | |
| -- | | -- | | | |
| Casing ID: | | 1005583428 | | | |
| Layer: | | | | | |
| Open Hole or Material: | | | | | |
| Depth From: | | | | | |
| Depth To: | | | | | |
| Casing Diameter: | | | | | |
| Casing Diameter UOM: | | cm | | | |
| Casing Depth UOM: | | m | | | |
| -- | | -- | | | |
| -- | | -- | | | |
| Construction Record - Screen | | | | | |
| -- | | -- | | | |
| Screen ID: | | 1005583429 | | | |
| Layer: | | | | | |
| Slot: | | | | | |
| Screen Top Depth: | | | | | |
| Screen End Depth: | | | | | |
| Screen Material: | | | | | |
| Screen Depth UOM: | | m | | | |
| Screen Diameter UOM: | | cm | | | |
| Screen Diameter: | | | | | |
| -- | | -- | | | |
| Hole Diameter | | | | | |
| -- | | -- | | | |
| Hole ID: | | 1005583426 | | | |
| Diameter: | | 21 | | | |
| Depth From: | | 0 | | | |
| Depth To: | | 9.1 | | | |
| Hole Depth UOM: | | m | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|--------------------|-------------------|----------------------------|------------------|------|----|
| Hole Diameter UOM: | | cm | | | |
| -- | | -- | | | |
| -- | | -- | | | |

| | | | | | |
|-------------------------------------|--------------------------------|----------|------|--------------------------|------|
| 27 | 2 of 2 | SE/229.6 | 83.4 | Grimsby ON | WWIS |
| Well ID: | 7238999 | | | Lot: | |
| Construction Date:: | | | | Concession: | |
| Primary Water Use:: | Monitoring | | | Concession Name: | |
| Sec. Water Use:: | | | | Easting NAD83:: | |
| Final Well Status:: | Test Hole | | | Northing NAD83:: | |
| Specific Capacity:: | | | | Zone:: | |
| Municipality: | GRIMSBY TOWN (NORTH GRIMSBY) | | | UTM Reliability:: | |
| County: | NIAGARA (LINCOLN) | | | | |
| Bore Hole Information | | | | | |
| -- | -- | | | | |
| Bore Hole ID: | 1005317542 | | | | |
| DP2BR: | | | | | |
| Code OB: | | | | | |
| Code OB Description: | | | | | |
| Open Hole: | | | | | |
| Date Completed: | 09-DEC-14 | | | | |
| Remarks: | | | | | |
| Zone: | 17 | | | | |
| East 83: | 614744 | | | | |
| North 83: | 4784472 | | | | |
| UTMRC: | 4 | | | | |
| UTMRC Description: | margin of error : 30 m - 100 m | | | | |
| Location Method: | wwr | | | | |
| Org CS: | UTM83 | | | | |
| Elevation: | | | | | |
| Elevrc: | | | | | |
| Elevrc Description: | | | | | |
| Location Source Date: | | | | | |
| Source Revision Comment: | | | | | |
| Improvement Location Source: | | | | | |
| Improvement Location Method: | | | | | |
| Supplier Comment: | | | | | |
| Spatial Status: | | | | | |
| -- | -- | | | | |
| Overburden and Bedrock | | | | | |
| Materials Interval | | | | | |
| -- | -- | | | | |
| Formation ID: | 1005572095 | | | | |
| Layer: | 1 | | | | |
| General Color: | BROWN | | | | |
| Most Common Material: | CLAY | | | | |
| Other Materials: | SILT | | | | |
| Other Materials: | DENSE | | | | |
| Formation Top Depth: | 0 | | | | |
| Formation End Depth: | 2.3 | | | | |
| Formation End Depth UOM: | ft | | | | |
| -- | -- | | | | |
| Formation ID: | 1005572096 | | | | |
| Layer: | 2 | | | | |
| General Color: | GREY | | | | |
| Most Common Material: | CLAY | | | | |
| Other Materials: | SILT | | | | |
| Other Materials: | HARD | | | | |
| Formation Top Depth: | 2.3 | | | | |
| Formation End Depth: | 7 | | | | |
| Formation End Depth UOM: | ft | | | | |
| -- | -- | | | | |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elevation (m)</i> | <i>Site</i> | <i>DB</i> |
|-------------------------------------------------|--------------------------|--------------------------------|----------------------|-------------|-----------|
| Formation ID: | | 1005572097 | | | |
| Layer: | | 3 | | | |
| General Color: | | RED | | | |
| Most Common Material: | | SAND | | | |
| Other Materials: | | SILT | | | |
| Other Materials: | | LOOSE | | | |
| Formation Top Depth: | | 7 | | | |
| Formation End Depth: | | 9.1 | | | |
| Formation End Depth UOM: | | ft | | | |
| -- | | -- | | | |
| Annular Space/Abandonment Sealing Record | | | | | |
| -- | | -- | | | |
| Plug ID: | | 1005572104 | | | |
| Layer: | | 1 | | | |
| Plug From: | | 0 | | | |
| Plug To: | | .8 | | | |
| Plug Depth UOM: | | ft | | | |
| -- | | -- | | | |
| Plug ID: | | 1005572105 | | | |
| Layer: | | 2 | | | |
| Plug From: | | .8 | | | |
| Plug To: | | 5.6 | | | |
| Plug Depth UOM: | | ft | | | |
| -- | | -- | | | |
| Method of Construction & Well Use | | | | | |
| -- | | -- | | | |
| Method Construction ID: | | 1005572103 | | | |
| Method Construction Code: | | 6 | | | |
| Method Construction: | | Boring | | | |
| Other Method Construction: | | | | | |
| -- | | -- | | | |
| Pipe Information | | | | | |
| -- | | -- | | | |
| Pipe ID: | | 1005572094 | | | |
| Casing Number: | | 0 | | | |
| Comment: | | | | | |
| Alt Name: | | | | | |
| -- | | -- | | | |
| Construction Record - Casing | | | | | |
| -- | | -- | | | |
| Casing ID: | | 1005572100 | | | |
| Layer: | | 1 | | | |
| Open Hole or Material: | | PLASTIC | | | |
| Depth From: | | 0 | | | |
| Depth To: | | 6.1 | | | |
| Casing Diameter: | | 5.1 | | | |
| Casing Diameter UOM: | | inch | | | |
| Casing Depth UOM: | | ft | | | |
| -- | | -- | | | |
| -- | | -- | | | |
| Construction Record - Screen | | | | | |
| -- | | -- | | | |
| Screen ID: | | 1005572101 | | | |
| Layer: | | 1 | | | |
| Slot: | | 10 | | | |
| Screen Top Depth: | | 6.1 | | | |
| Screen End Depth: | | 9.1 | | | |
| Screen Material: | | 5 | | | |
| Screen Depth UOM: | | ft | | | |
| Screen Diameter UOM: | | inch | | | |
| Screen Diameter: | | 6 | | | |
| -- | | -- | | | |
| Water Details | | | | | |
| -- | | -- | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------|-------------------|----------------------------|------------------|------|----|
| Water ID: | | 1005572099 | | | |
| Layer: | | 1 | | | |
| Kind Code: | | 8 | | | |
| Kind: | | Untested | | | |
| Water Found Depth: | | 6 | | | |
| Water Found Depth UOM: | | ft | | | |
| -- | | -- | | | |
| Hole Diameter | | | | | |
| -- | | -- | | | |
| Hole ID: | | 1005572098 | | | |
| Diameter: | | 21 | | | |
| Depth From: | | 0 | | | |
| Depth To: | | 9.1 | | | |
| Hole Depth UOM: | | ft | | | |
| Hole Diameter UOM: | | inch | | | |
| -- | | -- | | | |
| -- | | -- | | | |

| <u>28</u> | 1 of 1 | W/231.8 | 84.8 | ON | BORE |
|---------------------------------|---------------------------------------|---------|------|------------------------------|--------------------------------------------------------------|
| Borehole ID: | 852687 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614074 | | | Northing:: | 4784771 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 84.8 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 85.2 |
| Total Depth m:: | 7.7 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 16-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623324 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 2.0 | | | Stratum Desc: | Mixture of sand, silt and gravel (Fill), trace clay. Compact |
| Stratum ID: | 218623325 | | | Top Depth(m): | 2.0 |
| Bottom Depth(m): | 7.7 | | | Stratum Desc: | Shale bedrock. Poor to fair |

| <u>29</u> | 1 of 1 | NW/233.2 | 79.1 | UNKNOWN CASABLANCA BLVD AT NORTH SERVICE RD. GRIMSBY TOWN ON | SPL |
|-------------------------------|----------------------------------------------------------------|----------|------|--------------------------------------------------------------------|-----|
| Ref NO: | 143359 | | | | |
| Contaminant Code: | | | | | |
| Contaminant Name: | | | | | |
| Contaminant Quantity: | | | | | |
| Incident Cause:: | UNKNOWN | | | | |
| Incident Dt: | 7/10/1997 | | | | |
| Incident Reason:: | UNKNOWN | | | | |
| Incident Summary:: | SOURCE UKN-50 L DIESEL TOROADWAY, NIAGARA REGION WILL RESPOND. | | | | |
| MOE Reported Dt: | 7/10/1997 | | | | |
| Environmental Impact:: | POSSIBLE | | | | |
| Nature of Impact:: | Soil contamination | | | | |
| Receiving Medium:: | LAND | | | | |
| SAC Action Class: | | | | | |
| Sector Source Type: | | | | | |
| Site Municipality: | 18402 | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------------------------------|---------------------------------------|----------------------------|------------------|------------------------------|------------------------------------------------------------------------------------------------------|
| 30 | 1 of 1 | WSW/235.1 | 84.8 | ON | BORE |
| Borehole ID: | 852828 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Hollow stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614096 | | | Northing:: | 4784718 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 85.6 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 85.4 |
| Total Depth m:: | 4.7 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 03-JUN-1966 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623767 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.6 | | | Stratum Desc: | Clayey silt. |
| Stratum ID: | 218623768 | | | Top Depth(m): | 0.6 |
| Bottom Depth(m): | 4.7 | | | Stratum Desc: | Weathered to sound shale bedrock |
| 31 | 1 of 1 | W/251.4 | 84.8 | ON | BORE |
| Borehole ID: | 852688 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614062 | | | Northing:: | 4784749 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 84.5 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 85.5 |
| Total Depth m:: | 6.7 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 15-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623326 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.2 | | | Stratum Desc: | Topsoil |
| Stratum ID: | 218623327 | | | Top Depth(m): | 0.2 |
| Bottom Depth(m): | 1.5 | | | Stratum Desc: | Heterogeneous. Mixture of silt and clay, some sand, trace gravel. Very stiff to hard. (Glacial till) |
| Stratum ID: | 218623328 | | | Top Depth(m): | 1.5 |
| Bottom Depth(m): | 6.7 | | | Stratum Desc: | Shale bedrock. Poor to fair |
| 32 | 1 of 1 | W/251.9 | 83.8 | ON | BORE |
| Borehole ID: | 603488 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | |
| Drill Method:: | Diamond Drill | | | UTM Zone:: | 17 |
| Easting:: | 614015 | | | Northing:: | 4784883 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 83.8 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 84.1 |
| Total Depth m:: | 5.1 | | | Primary Name:: | |
| Township:: | | | | Concession:: | |
| Lot:: | | | | Municipality: | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|----------------------------|-------------------|----------------------------|------------------|-----------------------------|-------------------------------------------------------|
| Completion Date:: | JUN-1966 | | | Static Water Level:: | .1 |
| Primary Water Use:: | Not Used | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218361419 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 1.0 | | | Stratum Desc: | SILT,CLAY. HARD. |
| Stratum ID: | 218361420 | | | Top Depth(m): | 1.0 |
| Bottom Depth(m): | 1.9 | | | Stratum Desc: | BEDROCK,SHALE. WEATHERED, WATER STABLE AT 274.6 FEET. |
| Stratum ID: | 218361421 | | | Top Depth(m): | 1.9 |
| Bottom Depth(m): | 5.1 | | | Stratum Desc: | BEDROCK,SHALE. SOUND. 000003400032100LE AT |

| | | | | | |
|---------------------------------|---------------------------------------|----------------|-------------|------------------------------|-------------------------------------------------------|
| 33 | 1 of 1 | W/257.5 | 83.9 | ON | BORE |
| Borehole ID: | 603489 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | |
| Drill Method:: | Diamond Drill | | | UTM Zone:: | 17 |
| Easting:: | 614015 | | | Northing:: | 4784863 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 83.9 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 84.3 |
| Total Depth m:: | 4.6 | | | Primary Name:: | |
| Township:: | | | | Concession:: | |
| Lot:: | | | | Municipality: | |
| Completion Date:: | JUN-1966 | | | Static Water Level:: | .1 |
| Primary Water Use:: | Not Used | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218361422 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.7 | | | Stratum Desc: | SILT,CLAY. FIRM. |
| Stratum ID: | 218361423 | | | Top Depth(m): | 0.7 |
| Bottom Depth(m): | 1.5 | | | Stratum Desc: | BEDROCK,SHALE. WEATHERED, WATER STABLE AT 275.1 FEET. |
| Stratum ID: | 218361424 | | | Top Depth(m): | 1.5 |
| Bottom Depth(m): | 4.6 | | | Stratum Desc: | BEDROCK,SHALE. SOUND. 000001000022100LE AT |

| | | | | | |
|------------------------------|-----------------------------------------------------------------|-----------------|-------------|-------------------------------|-------------|
| 34 | 1 of 1 | NW/263.0 | 78.6 | end of Casablanca Dump | ANDR |
| | | | | Grimsby ON L3M | |
| Legal Description: | N Grimsby BF Lot 17 | | | | |
| Location Description: | End of Casablanca Blvd [Regional Rd 8] & Winston Rd in Grimsby. | | | | |
| Municipality: | Grimsby Town | | | | |
| Current Municipality: | Grimsby Town | | | | |
| RM: | Niagara Region | | | | |
| Facility: | Dump | | | | |
| Date Active: | 1940s | | | | |
| Date Begun: | | | | | |
| Date Complete: | 1942 | | | | |
| Area (Ha): | | | | | |
| Landfill Type: | | | | | |
| Group Name: | | | | | |
| Operated By: | | | | | |
| Serial: | MOEE 0064 | | | | |
| NTS: | 30M04 | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------|-------------------|-------------------------|---------------|------|----|
|---------|-------------------|-------------------------|---------------|------|----|

Diameter (m):

Historical Summary:

Casablanca Dump MOEE 1994 End of Casablanca cited as a closed waste disposal site in (Ontario Ministry of the Environment [1994] Waste disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 p. : maps. ISBN 0772984093 99). 1996 MapArt Datapoint plots to End of Casablanca Blvd [Regional Rd 8] and Winston Rd in Grimsby settlement.

Waste Type:

UTM X Nad 27:

UTM Y Nad 27:

UTM Zone:

| | | | | | |
|---------------------------------|---------------------------------------|---------|------|------------------------------|-------------------------------------------------------|
| 35 | 1 of 1 | W/263.8 | 84.7 | ON | BORE |
| Borehole ID: | 603490 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | |
| Drill Method:: | Diamond Drill | | | UTM Zone:: | 17 |
| Easting:: | 614015 | | | Northing:: | 4784843 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 84.3 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 84.6 |
| Total Depth m:: | 4.5 | | | Primary Name:: | |
| Township:: | | | | Concession:: | |
| Lot:: | | | | Municipality: | |
| Completion Date:: | JUN-1966 | | | Static Water Level:: | .1 |
| Primary Water Use:: | Not Used | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218361425 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 1.0 | | | Stratum Desc: | SILT,CLAY. HARD. |
| Stratum ID: | 218361426 | | | Top Depth(m): | 1.0 |
| Bottom Depth(m): | 1.6 | | | Stratum Desc: | BEDROCK,SHALE. WEATHERED, WATER STABLE AT 276.3 FEET. |
| Stratum ID: | 218361427 | | | Top Depth(m): | 1.6 |
| Bottom Depth(m): | 4.5 | | | Stratum Desc: | BEDROCK,SHALE. SOUND. 00000033022 |

| | | | | | |
|-------------------------------|------------------------------------------------------------|-----------|------|---------------------------------------------------------------------------------------------|-----|
| 36 | 1 of 1 | WNW/270.6 | 82.1 | 12 Concord Place<UNOFFICIAL> 12 Concord Place, Grimsby<UNOFFICIAL> Grimsby ON L3M 4E8 | SPL |
| Ref NO: | 3264-8GZVQW | | | | |
| Contaminant Code: | 15 | | | | |
| Contaminant Name: | OIL (PETROLEUM BASED, NOT SPECIFIED) | | | | |
| Contaminant Quantity: | 0 other - see incident description | | | | |
| Incident Cause:: | Process Upset | | | | |
| Incident Dt: | 5/19/2011 | | | | |
| Incident Reason:: | Spill | | | | |
| Incident Summary:: | Res: 12 Concord Place:oily water, flooded bsmt, to swamp | | | | |
| MOE Reported Dt: | 5/19/2011 | | | | |
| Environmental Impact:: | Not Anticipated | | | | |
| Nature of Impact:: | Groundwater Pollution; Other Impact(s); Soil Contamination | | | | |
| Receiving Medium:: | | | | | |
| SAC Action Class: | Primary Assessment of Spills | | | | |
| Sector Source Type: | Other | | | | |
| Site Municipality: | Grimsby | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------------------------------|---------------------------------------|----------------------------|------------------|------------------------------|------------------------------------------------------------------------------------------------------------------|
| 37 | 1 of 1 | SE/271.3 | 78.8 | ON | BORE |
| Borehole ID: | 852698 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | Decommissioned |
| Drill Method:: | Solid stem auger | | | UTM Zone:: | 17 |
| Easting:: | 614861 | | | Northing:: | 4784547 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 82.6 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 80.8 |
| Total Depth m:: | 6.7 | | | Primary Name:: | |
| Township:: | GRIMSBY | | | Concession:: | CON 1 |
| Lot:: | 0 | | | Municipality: | |
| Completion Date:: | 16-AUG-1994 | | | Static Water Level:: | -999.9 |
| Primary Water Use:: | | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218623351 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 0.1 | | | Stratum Desc: | Topsoil |
| Stratum ID: | 218623352 | | | Top Depth(m): | 0.1 |
| Bottom Depth(m): | 6.7 | | | Stratum Desc: | Heterogeneous. Mixture of silt and clay, some sand, trace gravel. Very stiff to hard. Brown-grey. (Glacial till) |

| | | | | | |
|-----------------------------|------------------------------------------------------|----------|------|----------------------------------|------|
| 38 | 1 of 1 | NW/272.1 | 78.8 | end of Casabl anca GRIMSBY ON | WDSH |
| Site No.: | X0064 | | | | |
| Region: | WESTCENTRAL | | | | |
| County: | NIAGARA | | | | |
| Concession: | | | | | |
| Lot: | end of Casabl anca | | | | |
| Easting:: | 614050 | | | | |
| Northing:: | 4784900 | | | | |
| Zone:: | 17 | | | | |
| Date Closed: | 1942 | | | | |
| Status:: | CLOSED | | | | |
| Classification:: | NO POTENTIAL FOR IMPACT ON HUMANS OR THE ENVIRONMENT | | | | |
| %CommercialWste:: | n/a | | | | |
| %DomesticWste Rec:: | n/a | | | | |
| %LiquidWste Rec:: | n/a | | | | |
| %HazardousWste Rec:: | n/a | | | | |
| %Non-haz.Wste Rec:: | n/a | | | | |
| %Sewage/Sludge Rec:: | n/a | | | | |
| %Other Wste Rec:: | n/a | | | | |

| | | | | | |
|------------------------------|---------------------------------------------------------------------------------------|-----------|------|-----------------------------------------------|------|
| 39 | 1 of 1 | ESE/280.3 | 76.7 | 250 North Service Road, Grimsby ON L3M 4E8 | PINC |
| Incident ID: | 2702518 | | | | |
| Tank Status: | | | | | |
| Attribute Category: | | | | | |
| Task Number: | | | | | |
| Type: | FS-Pipeline Incident | | | | |
| Incident Number: | 546042 | | | | |
| Status Code: | Pipeline Damage Reason Est | | | | |
| Summary: | 250 North Service Road, Grimsby - 2" Pipeline Hit | | | | |
| Spills Action Centre: | | | | | |
| Reported By: | Lesley Walton - Enbridge | | | | |
| Affiliation: | Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) | | | | |
| Method Details: | utility damage | | | | |
| Fuel Category: | Heating Fuel | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------|------------------|------|----|
| Fuel Occurrence Type: Date of Occurrence: Occurrence Start Date: Health Impact: Occurrence Desc: Environment Impact: Property Damage: Service Interrupt: Fuel Type: Enforce Policy: Operation Type: Damage Reason: Public Relation: Pipeline System: Pipeline Type: Depth: Pipe Material: Regulator Location: PSIG: Regulator Type: Notes: | | | | | |

| | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|------|----------------------------------------------------|-----|
| 40 | 1 of 1 | SSE/281.6 | 84.1 | The Regional Municipality of Niagara Grimsby ON | SPL |
| Ref NO: 7331-8ZTSNB Contaminant Code: 44 Contaminant Name: SEWAGE,RAW UNCHLORINATED Contaminant Quantity: 0 other - see incident description Incident Cause:: Leak/Break Incident Dt: 07-NOV-12 Incident Reason:: Unknown / N/A Incident Summary:: RoNiagara: force main break. swge to ditch. Grimsby MOE Reported Dt: 07-NOV-12 Environmental Impact:: Confirmed Nature of Impact:: Soil Contamination Receiving Medium:: SAC Action Class: Land Spills Sector Source Type: Sewer (Private or Municipal) Site Municipality: Grimsby | | | | | |

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|------|----|------|
| 41 | 1 of 1 | SE/286.0 | 79.0 | ON | BORE |
| Borehole ID: 852699 Use: Geotechnical/Geological Investigation Drill Method:: Solid stem auger Easting:: 614864 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 7.6 Township:: GRIMSBY Lot:: 0 Completion Date:: 12-AUG-1994 Primary Water Use:: Type: Borehole Status:: Decommissioned UTM Zone:: 17 Northing:: 4784522 Orig. Ground Elev m:: 83.6 DEM Ground Elev m:: 81.7 Primary Name:: Concession:: CON 1 Municipality: Static Water Level:: -999.9 Sec. Water Use:: --Details-- Stratum ID: 218623353 Bottom Depth(m): 0.1 Top Depth(m): 0.0 Stratum Desc: Asphalt | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-----------------------------------------------|-------------------|----------------------------|------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Stratum ID: Bottom Depth(m): | 218623354 0.5 | | | Top Depth(m): Stratum Desc: | 0.1 Mixture of sand and gravel (Fill), trace silt. Compact |
| Stratum ID: Bottom Depth(m): | 218623355 7.6 | | | Top Depth(m): Stratum Desc: | 0.5 Heterogeneous. Mixture of silt and lacy, some sand, trace gravel. Very stiff to hard. Brown- grey. (Glacial till) |

| <u>42</u> | 1 of 1 | W/289.8 | 84.8 | ON | BORE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use:: | 603491 Geotechnical/Geological Investigation Diamond Drill 614015 614015 4.7 JUN-1966 Not Used | | | Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use:: | Borehole 17 4784763 85.5 85.5 .2 |
| --Details-- Stratum ID: Bottom Depth(m): | 218361428 0.6 | | | Top Depth(m): Stratum Desc: | 0.0 SILT,CLAY. FIRM. |
| Stratum ID: Bottom Depth(m): | 218361429 1.8 | | | Top Depth(m): Stratum Desc: | 0.6 BEDROCK,SHALE. WEATHERED, WATER STABLE AT 279.8 FEET. |
| Stratum ID: Bottom Depth(m): | 218361430 4.7 | | | Top Depth(m): Stratum Desc: | 1.8 BEDROCK,SHALE. SOUND. 0000001000020100 |

| <u>43</u> | 1 of 1 | W/293.7 | 84.8 | ON | BORE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use:: | 603492 Geotechnical/Geological Investigation Diamond Drill 614015 614015 4.7 JUN-1966 Not Used | | | Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use:: | Borehole 17 4784753 85.6 85.7 -999.9 |
| --Details-- Stratum ID: Bottom Depth(m): | 218361431 0.6 | | | Top Depth(m): Stratum Desc: | 0.0 SILT,CLAY. |
| Stratum ID: Bottom Depth(m): | 218361432 1.5 | | | Top Depth(m): Stratum Desc: | 0.6 BEDROCK,SHALE. WEATHERED. |
| Stratum ID: Bottom Depth(m): | 218361433 4.7 | | | Top Depth(m): Stratum Desc: | 1.5 BEDROCK,SHALE. SOUND. 00020075BEDROCK, |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|---------|-------------------|-------------------------|---------------|------|----|
|---------|-------------------|-------------------------|---------------|------|----|

| | | | | | |
|---------------------------------|---------------------------------------|---------|------|------------------------------|-------------------------------------------------------|
| 44 | 1 of 1 | W/297.6 | 84.8 | ON | BORE |
| Borehole ID: | 603493 | | | Type: | Borehole |
| Use: | Geotechnical/Geological Investigation | | | Status:: | |
| Drill Method:: | Diamond Drill | | | UTM Zone:: | 17 |
| Easting:: | 614015 | | | Northing:: | 4784743 |
| Location Accuracy:: | | | | Orig. Ground Elev m:: | 85.2 |
| Elev. Reliability Note:: | | | | DEM Ground Elev m:: | 85.8 |
| Total Depth m:: | 4.7 | | | Primary Name:: | |
| Township:: | | | | Concession:: | |
| Lot:: | | | | Municipality: | |
| Completion Date:: | JUN-1966 | | | Static Water Level:: | .2 |
| Primary Water Use:: | Not Used | | | Sec. Water Use:: | |
| --Details-- | | | | | |
| Stratum ID: | 218361434 | | | Top Depth(m): | 0.0 |
| Bottom Depth(m): | 1.5 | | | Stratum Desc: | SILT,CLAY. VERY SOFT. |
| Stratum ID: | 218361435 | | | Top Depth(m): | 1.5 |
| Bottom Depth(m): | 1.8 | | | Stratum Desc: | BEDROCK,SHALE. WEATHERED, WATER STABLE AT 278.9 FEET. |
| Stratum ID: | 218361436 | | | Top Depth(m): | 1.8 |
| Bottom Depth(m): | 4.7 | | | Stratum Desc: | BEDROCK,SHALE. SOUND. 00000022 |

| | | | | | |
|------------------------------|---------------|---------|------|---------------------------------------------|-----|
| 45 | 1 of 13 | S/299.0 | 85.8 | 361 South Service Rd. Grimsby ON L3M 4E8 | EHS |
| Postal Code: | | | | | |
| City: | | | | | |
| Address2: | | | | | |
| Address1: | | | | | |
| Provstate: | | | | | |
| Order No.: | 20130111040 | | | | |
| Addit. Info Ordered:: | | | | | |
| Report Date: | 23-JAN-13 | | | | |
| Report Type: | Custom Report | | | | |
| Search Radius (km): | .25 | | | | |

| | | | | | |
|------------------------------|----------------------------------------|---------|------|--------------------------------------------------------------------------------|------|
| 45 | 2 of 13 | S/299.0 | 85.8 | LOBLAW PROPERTIES LTD GASBAR DIV 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | FSTH |
| License Issue Date: | 9/11/2006 | | | | |
| Tank Status: | Licensed | | | | |
| Tank Status As Of: | August 2007 | | | | |
| Operation Type: | Retail Fuel Outlet | | | | |
| Facility Type: | Gasoline Station - Self Serve | | | | |
| --Details-- | | | | | |
| Status: | Active | | | | |
| Year of Installation: | 2005 | | | | |
| Corrosion Protection: | | | | | |
| Capacity: | 65000 | | | | |
| Tank Fuel Type: | Liquid Fuel Double Wall UST - Gasoline | | | | |
| Status: | Active | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|------------------------------|--------------------------|--------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------|-----------|
| Year of Installation: | | 2005 | | | |
| Corrosion Protection: | | | | | |
| Capacity: | | 65000 | | | |
| Tank Fuel Type: | | Liquid Fuel Double Wall UST - Gasoline | | | |
| 45 | 3 of 13 | S/299.0 | 85.8 | Loblaw Companies Limited 361 South Service Rd. Grimsby ON | GEN |
| PO Box Num: | | | | | |
| Status: | | | | | |
| Country: | | | | | |
| Generator #: | | ON9098720 | | | |
| Approval Yrs.: | | As of May 2015 | | | |
| SIC Code: | | | | | |
| SIC Description: | | | | | |
| --Details-- | | | | | |
| Waste Code: | | 312 | | | |
| Waste Description: | | Pathological wastes | | | |
| 45 | 4 of 13 | S/299.0 | 85.8 | Loblaw Companies Limited 361 South Service Rd. Grimsby ON L3M 4E8 | GEN |
| PO Box Num: | | | | | |
| Status: | | Registered | | | |
| Country: | | Canada | | | |
| Generator #: | | ON9098720 | | | |
| Approval Yrs.: | | As of Sep 2016 | | | |
| SIC Code: | | | | | |
| SIC Description: | | | | | |
| --Details-- | | | | | |
| Waste Code: | | 112 C | | | |
| Waste Description: | | Acid solutions - containing heavy metals | | | |
| Waste Code: | | 122 C | | | |
| Waste Description: | | Alkaline slutions - containing other metals and non-metals (not cyanide) | | | |
| Waste Code: | | 145 L | | | |
| Waste Description: | | Wastes from the use of pigments, coatings and paints | | | |
| Waste Code: | | 145 I | | | |
| Waste Description: | | Wastes from the use of pigments, coatings and paints | | | |
| Waste Code: | | 146 T | | | |
| Waste Description: | | Other specified inorganic sludges, slurries or solids | | | |
| Waste Code: | | 148 L | | | |
| Waste Description: | | Misc. wastes and inorganic chemicals | | | |
| Waste Code: | | 148 I | | | |
| Waste Description: | | Misc. wastes and inorganic chemicals | | | |
| Waste Code: | | 148 A | | | |
| Waste Description: | | Misc. wastes and inorganic chemicals | | | |
| Waste Code: | | 263 L | | | |
| Waste Description: | | Misc. waste organic chemicals | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|----------------------------------------------------|--------------------------|-----------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------|------------|
| Waste Code: Waste Description: | | 263 C Misc. waste organic chemicals | | | |
| Waste Code: Waste Description: | | 263 A Misc. waste organic chemicals | | | |
| Waste Code: Waste Description: | | 242 T Halogenated pesticides and herbicides | | | |
| Waste Code: Waste Description: | | 242 L Halogenated pesticides and herbicides | | | |
| Waste Code: Waste Description: | | 252 L Waste crankcase oils and lubricants | | | |
| Waste Code: Waste Description: | | 261 L Pharmaceuticals | | | |
| Waste Code: Waste Description: | | 261 I Pharmaceuticals | | | |
| Waste Code: Waste Description: | | 261 B Pharmaceuticals | | | |
| Waste Code: Waste Description: | | 261 A Pharmaceuticals | | | |
| Waste Code: Waste Description: | | 262 L Detergents and soaps | | | |
| Waste Code: Waste Description: | | 262 C Detergents and soaps | | | |
| Waste Code: Waste Description: | | 212 L Aliphatic solvents and residues | | | |
| Waste Code: Waste Description: | | 212 I Aliphatic solvents and residues | | | |
| Waste Code: Waste Description: | | 269 L Organic non-halogenated pesticide and herbicide wastes | | | |
| Waste Code: Waste Description: | | 331 L Waste compressed gases including cylinders | | | |
| Waste Code: Waste Description: | | 331 I Waste compressed gases including cylinders | | | |
| Waste Code: Waste Description: | | 269 T Organic non-halogenated pesticide and herbicide wastes | | | |
| Waste Code: Waste Description: | | 312 P Pathological wastes | | | |
| 45 | 5 of 13 | S/299.0 | 85.8 | LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | PES |
| Detail Licence No.: Licence Type: | | Limited Vendor | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|-------------------------------|-------------------|-----------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------|-----|
| 45 | 6 of 13 | S/299.0 | 85.8 | LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | PES |
| Detail Licence No.: | | 23-01-13921-0 | | | |
| Licence Type: | | LIMITED | | | |
| 45 | 7 of 13 | S/299.0 | 85.8 | LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) 361 SOUTH SERVICE RD GRIMSBY ON L3M4E8 | PES |
| Detail Licence No.: | | | | | |
| Licence Type: | | | | | |
| 45 | 8 of 13 | S/299.0 | 85.8 | LOBLAW COMPANIES LTD (REAL CANADIAN SUPERSTORE 2806) 361 SOUTH SERVICE RD GRIMSBY ON L3M 4E8 | PES |
| Detail Licence No.: | | Vendor | | | |
| Licence Type: | | | | | |
| 45 | 9 of 13 | S/299.0 | 85.8 | Real Canadian Superstore 361 South Service Rd Grimsby ON | SPL |
| Ref NO: | | 7335-987MYE | | | |
| Contaminant Code: | | 15 | | | |
| Contaminant Name: | | OIL (PETROLEUM BASED, NOT SPECIFIED) | | | |
| Contaminant Quantity: | | 0 L | | | |
| Incident Cause:: | | Leak/Break | | | |
| Incident Dt: | | 28-MAY-13 | | | |
| Incident Reason:: | | Equipment Failure | | | |
| Incident Summary:: | | Real Canadian Superstore: oil leak to ground, CB impacted | | | |
| MOE Reported Dt: | | 30-MAY-13 | | | |
| Environmental Impact:: | | Confirmed | | | |
| Nature of Impact:: | | Other Impact(s); Surface Water Pollution | | | |
| Receiving Medium:: | | | | | |
| SAC Action Class: | | Watercourse Spills | | | |
| Sector Source Type: | | Motor Vehicle | | | |
| Site Municipality: | | Grimsby | | | |
| 45 | 10 of 13 | S/299.0 | 85.8 | 361 South Service Rd Grimsby ON | SPL |
| Ref NO: | | 5332-9CWSJS | | | |
| Contaminant Code: | | 38 | | | |
| Contaminant Name: | | REFRIGERANT GAS, N.O.S. | | | |
| Contaminant Quantity: | | 90.8 kg | | | |
| Incident Cause:: | | Leak/Break | | | |
| Incident Dt: | | 2013/10/28 | | | |
| Incident Reason:: | | Equipment Failure | | | |
| Incident Summary:: | | RCSS: loss 90.8 kg R507 | | | |
| MOE Reported Dt: | | 2013/10/28 | | | |
| Environmental Impact:: | | Not Anticipated | | | |
| Nature of Impact:: | | Air Pollution | | | |
| Receiving Medium:: | | | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elevation (m) | Site | DB |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| SAC Action Class: Sector Source Type: Site Municipality: | | Air Spills - Gases and Vapours Valve/Fitting/Piping Grimsby | | | |
| 45 | 11 of 13 | S/299.0 | 85.8 | The Corporation of the Town of Grimsby 361 South Service Rd SOUTH SERVICE RD, NEAR THE GREAT CANADIAN SUPERSTORE<UNOFFICIAL> Grimsby ON L3M 4E8 | SPL |
| Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause:: Incident Dt: Incident Reason:: Incident Summary:: MOE Reported Dt: Environmental Impact:: Nature of Impact:: Receiving Medium:: SAC Action Class: Sector Source Type: Site Municipality: | | 6487-6UP6K4 44 SEWAGE,RAW UNCHLORINATED 1000 L Other Discharges 10/17/2006 Other - Reason not otherwise defined Town of Grimsby - sewage overflow 10/17/2006 Not Anticipated Human Health/Safety; Surface Water Pollution Water Sewage Municipal Grimsby | | | |
| 45 | 12 of 13 | S/299.0 | 85.8 | 361 South Service Rd. Grimsby ON | SPL |
| Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause:: Incident Dt: Incident Reason:: Incident Summary:: MOE Reported Dt: Environmental Impact:: Nature of Impact:: Receiving Medium:: SAC Action Class: Sector Source Type: Site Municipality: | | 5677-8Y2TNG 38 FREON (CFC) 91 kg Leak/Break 11-SEP-12 Other Loblaws - 91 kg of freon to air. 11-SEP-12 Not Anticipated Air Spills - Gases and Vapours Other Grimsby | | | |
| 45 | 13 of 13 | S/299.0 | 85.8 | Loblaws Supermarkets Limited 361 South Service Road Grimsby ON | SPL |
| Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause:: Incident Dt: Incident Reason:: Incident Summary:: MOE Reported Dt: Environmental Impact:: Nature of Impact:: | | 3278-8U56U9 38 HYDROFLUOROCARBON (HFC) Discharge or Emission to Air 09-MAY-12 Other - Reason not otherwise defined RCSS Grimsby: 90.8kg R507 to Atm 09-MAY-12 Confirmed Air Pollution; Other Impact(s) | | | |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction/ Distance (m)</i> | <i>Elevation (m)</i> | <i>Site</i> | <i>DB</i> |
|----------------------------|--------------------------|-------------------------------------------|--------------------------|-------------|-----------|
| <i>Receiving Medium::</i> | | Sewage - Municipal/Private and Commercial | | | |
| <i>SAC Action Class:</i> | | Air Spills - Gases and Vapours | | | |
| <i>Sector Source Type:</i> | | Other | | | |
| <i>Site Municipality:</i> | | Grimsby | | | |

Unplottable Summary

Total: 32 Unplottable sites

| DB | Company Name/Site Name | Address | City | Postal |
|-----|------------------------------------------|--------------------------------|-----------------|---------|
| CA | TOWN | STH.SERVICE RD. | GRIMSBY ON | |
| CA | THE GRIMSBY PENTECOSTAL CHURCH C/O REV.R | NORTH SERVICE ROAD | GRIMSBY TOWN ON | |
| CA | THE GRIMSBY PENTECOSTAL CHURCH C/O REV.R | NORTH SERVICE ROAD | GRIMSBY TOWN ON | |
| CA | GRIMSBY TOWN | NORTH SERVICE RD. | GRIMSBY TOWN ON | |
| CA | GRIMSBY TOWN | NORTH SERVICE RD. | GRIMSBY TOWN ON | |
| CA | MER-FLO DEVELOPMENTS INC. | CONCORD PLACE/WINSTON ROAD | GRIMSBY TOWN ON | |
| CA | MER-FLO DEVELOPMENTS INC. | CONCORD PLACE/WINSTON RD. | GRIMSBY TOWN ON | |
| CA | MERFLO DEVELOPMENTS INC. | ST.A/CONCORD PLACE | GRIMSBY ON | |
| CA | ONTARIO AUTO & TRUCK INC. | RR #2, CASABLANCA BLVD. | GRIMSBY ON | |
| CA | KING PIN LTD. | WINSTON ROAD FIFTH WHEEL TR.ST | GRIMSBY ON | |
| CA | Loblaw Properties Limited | | Grimsby ON | |
| CA | Loblaw Properties Limited | | Grimsby ON | |
| CA | REGIONAL MUNICIPALITY OF NIAGARA | LOT 15,CONC.1,WATER FILT.PLANT | GRIMSBY TOWN ON | |
| CA | REGIONAL MUNICIPALITY OF NIAGARA | LOT 15/CONC.1, LINCOLN WTP | GRIMSBY TOWN ON | |
| CA | R.M. OF NIAGARA - LOT 15, CONC. 1 | GRIMSBY/LINCOLN/W.LINCOLN WTP | GRIMSBY TOWN ON | |
| CA | MERFLO DEVELOPMENTS INC. | ST.A/CONCORD PLACE | GRIMSBY ON | |
| CA | Branthaven Casablanca Inc. | Winston Road. | Grimsby ON | |
| EBR | Ontario Auto and Truck Inc. | Casablanca Blvd | Grimsby ON | L3M 4E8 |

| | | | |
|------|--------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------|
| EBR | Westbrook Greenhouses Limited | Part Lot 15, Concessions 1 & 2 | Grimsby ON |
| ECA | The Regional Municipality of Niagara | Regional Road No. 40 (South Service Road) | Regional Municipality of Niagara ON |
| GEN | Grimsby Power Incorporated | South Service road formaly Clarke Steet substation | Grimsby ON |
| NEES | FREDERICK TRANSPORT | | GRIMSBY TOWN ON |
| RSC | | Casablanca Subdivision, Pt. Lot 16, Conc. 1 and 2, | Grimsby ON |
| RSC | | Casablanca Subdivision, Pt. Lot 16, Conc. 1 and 2, | Grimsby ON |
| SPL | HAMILTON GMC-VOLVO | HUNT CLUB PARKING LOT NORTH SERVICE ROAD | GRIMSBY TOWN ON |
| SPL | NIAGARA, REGIONAL MUNICIPALITY | BIGGAR LAGOON (GRIMSBY) WINSTON ROAD | GRIMSBY TOWN ON |
| SPL | Unknown<UNOFFICIAL> | Winston Rd., Approx. 100 yards west of Hunter Rd. on the North side WINSTON ROAD, GRIMSBY<UNOFFICIAL> | Grimsby ON |
| SPL | | 5TH WHEEL<UNOFFICIAL> | Grimsby ON |
| SPL | ROUST VEHICLES | WESTBOUND QEW, BETWEEN MAPLE AND CHRISTIE, GRIMSBY TRANSPORT TRUCK (CARGO) | GRIMSBY TOWN ON |
| SPL | PRIVATELY OWNED | QEW WEST OF GRIMSBY IN FRONT OF ANDRES WINES MOTOR VEHICLE (OPERATING FLUID) | NIAGARA R.M. ON |
| SPL | NIAGARA, REGIONAL MUNICIPALITY | QEW EXPANSION ON SOUTH SERVICE RD, SOUTH OF GRIMSBY, AT CASSABLANCA ST SANITARY SEWER SYSTEM/PUMPING STATION | GRIMSBY TOWN ON |
| SPL | NIAGARA, REGIONAL MUNICIPALITY | SOUTH SERVICE ROAD SEWER SYSTEM/PUMPING STATION | GRIMSBY TOWN ON |

Unplottable Report

Site: TOWN
STH.SERVICE RD. GRIMSBY ON

Database:
CA

Certificate #: 3-1245-85-006
Application Year: 85
Issue Date: 10/22/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: THE GRIMSBY PENTECOSTAL CHURCH C/O REV.R
NORTH SERVICE ROAD GRIMSBY TOWN ON

Database:
CA

Certificate #: 7-0293-89-
Application Year: 89
Issue Date: 3/10/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: THE GRIMSBY PENTECOSTAL CHURCH C/O REV.R
NORTH SERVICE ROAD GRIMSBY TOWN ON

Database:
CA

Certificate #: 3-0334-89-
Application Year: 89
Issue Date: 3/10/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: GRIMSBY TOWN
NORTH SERVICE RD. GRIMSBY TOWN ON

Database:
CA

Certificate #: 3-0758-86-
Application Year: 86

Issue Date: 6/20/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: GRIMSBY TOWN
NORTH SERVICE RD. GRIMSBY TOWN ON

Database:
CA

Certificate #: 7-0597-86-
Application Year: 86
Issue Date: 6/20/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: MER-FLO DEVELOPMENTS INC.
CONCORD PLACE/WINSTON ROAD GRIMSBY TOWN ON

Database:
CA

Certificate #: 3-1221-96-
Application Year: 96
Issue Date: 10/16/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: MER-FLO DEVELOPMENTS INC.
CONCORD PLACE/WINSTON RD. GRIMSBY TOWN ON

Database:
CA

Certificate #: 7-0994-96-
Application Year: 96
Issue Date: 10/16/1996
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: MERFLO DEVELOPMENTS INC.
ST.A/CONCORD PLACE GRIMSBY ON

Database:
CA

Certificate #: 3-1718-98-
Application Year: 98
Issue Date: 11/19/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ONTARIO AUTO & TRUCK INC.
RR #2, CASABLANCA BLVD. GRIMSBY ON

Database:
CA

Certificate #: 8-2041-98-
Application Year: 98
Issue Date: //
Approval Type: Industrial air
Status: In progress
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: WASTE DERIVED FUEL FURNACE CB-4000
Contaminants::
Emission Control::

Site: KING PIN LTD.
WINSTON ROAD FIFTH WHEEL TR.ST GRIMSBY ON

Database:
CA

Certificate #: 3-0028-86-
Application Year: 86
Issue Date: 2/10/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Loblaw Properties Limited
Grimsby ON

Database:
CA

Certificate #: 1336-6LBRX8
Application Year: 2006
Issue Date: 2/1/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::

Contaminants::
Emission Control::

Site: Loblaw Properties Limited
Grimsby ON

Database:
CA

Certificate #: 9657-6P2QXR
Application Year: 2006
Issue Date: 4/20/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: REGIONAL MUNICIPALITY OF NIAGARA
LOT 15,CONC.1,WATER FILT.PLANT GRIMSBY TOWN ON

Database:
CA

Certificate #: 8-2130-92-
Application Year: 92
Issue Date: 7/30/1992
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: INST. 750 KW STANDBY DIESEL GENERATOR
Contaminants:: Nitrogen Oxides, Stoddard Solvent
Emission Control:: No Controls, Silencer, Muffler,

Site: REGIONAL MUNICIPALITY OF NIAGARA
LOT 15/CONC.1, LINCOLN WTP GRIMSBY TOWN ON

Database:
CA

Certificate #: 8-2146-93-
Application Year: 93
Issue Date: 6/28/1993
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: LAB. FUMEHOOD FOR ACID WASH.OF GLASSWARE
Contaminants:: Hydrogen Chloride
Emission Control:: No Controls

Site: R.M. OF NIAGARA - LOT 15, CONC. 1
GRIMSBY/LINCOLN/W.LINCOLN WTP GRIMSBY TOWN ON

Database:
CA

Certificate #: 7-0498-92-
Application Year: 92
Issue Date: 6/18/1992
Approval Type: Municipal water
Status: Approved
Application Type:

Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: **MERFLO DEVELOPMENTS INC.**
ST.A/CONCORD PLACE GRIMSBY ON

Database:
CA

Certificate #: 7-1123-98-
Application Year: 98
Issue Date: 11/19/1998
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: **Branthaven Casablanca Inc.**
Winston Road. Grimsby ON

Database:
CA

Certificate #: 6142-8HNNR3
Application Year: 2011
Issue Date: 6/15/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: **Ontario Auto and Truck Inc.**
Casablanca Blvd Grimsby ON L3M 4E8

Database:
EBR

Company Name:
Notice Type: Instrument Decision
EBR Registry No.: IA05E1502
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Year: 2005
Ministry Ref. No.: 8581-5E4QBX
Proposal Date:
Location: R.R. #2, Casablanca Blvd. Grimsby Ontario L3M 4E8 Grimsby
Proponent Address: R.R. #2, Casablanca Blvd. Grimsby Ontario L3M 4E8
Notice Date:

Site: **Westbrook Greenhouses Limited**
Part Lot 15, Concessions 1 & 2 Grimsby ON

Database:
EBR

Company Name:
Notice Type: Instrument Decision
EBR Registry No.: IA9E0963
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9

Year: 1999
Ministry Ref. No.: 8213799
Proposal Date: 8/13/99
Location: Part Lot 15, Concessions 1 & 2, Former Township of North Grimsby
Proponent Address: 270 Hunter Road, P.O. Box 99 Grimsby Ontario L3M 4G1
Notice Date:

Site: *The Regional Municipality of Niagara
Regional Road No. 40 (South Service Road) Regional Municipality of Niagara ON*

Database:
[ECA](#)

Record Type:
PDF URL:
Full Address: Regional Road No. 40 (South Service Road)
CofA Number: 0041-9AKHEN
Date: 16-AUG-13
Status: Approved
Project Type: Municipal and Private Sewage

Site: *Grimsby Power Incorporated
South Service road formaly Clarke Steet substation Grimsby ON*

Database:
[GEN](#)

PO Box Num:
Status:
Country:
Generator #: ON7373001
Approval Yrs.: As of April 2014
SIC Code:
SIC Description:

--Details--
Waste Code: 251
Waste Description: Waste oils/sludges (petroleum based)

Site: *FREDERICK TRANSPORT
GRIMSBY TOWN ON*

Database:
[NEES](#)

Incident Date: 6/2/88
Contaminant: DIESEL FUEL
Amount: 0
Units: Unknown
Quantity:
Cause: Unknown
Source: Transport Truck
Reason:
Sector: Transportation

Site: *Casablanca Subdivision, Pt. Lot 16, Conc. 1 and 2, Grimsby ON*

Database:
[RSC](#)

Registration #:
RSC Type:
Restoration Type: Generic
Date Submitted: 03/12/99
Date Acknowledg.: 05/13/99
Certification Date:
Date Returned:
Soil Type: Fine
Criteria: Ind/comm, potable
Current Property Use:
Certificate Prop Use #:
Intended Prop Use:
Applicable Standards:
Stratified (Y/N): N

Consultant: Ecotech Planners & Advisors Inc.
District Office: Sarnia
Property Municipal Address:
Legal Description:
Prop. Identification #:
Entire legal prop. (y/n):
UTM Coordinates:
Latitude & Longitude:
Accuracy Estimate:
Measurement Method:
CPU Issued Sect 1686:

Site: Casablanca Subdivision, Pt. Lot 16, Conc. 1 and 2, Grimsby ON

Database:
RSC

Registration #:
RSC Type:
Restoration Type: Generic
Date Submitted: 05/19/99
Date Acknowledg.: 06/11/99
Certification Date:
Date Returned:
Soil Type: Fine
Criteria: Res/parkland, nonpotable
Current Property Use:
Certificate Prop Use #:
Intended Prop Use:
Applicable Standards:
Stratified (Y/N): N
Consultant: Soil Probe Ltd.
District Office: York Durham
Property Municipal Address:
Legal Description:
Prop. Identification #:
Entire legal prop. (y/n):
UTM Coordinates:
Latitude & Longitude:
Accuracy Estimate:
Measurement Method:
CPU Issued Sect 1686:

Site: HAMILTON GMC-VOLVO
HUNT CLUB PARKING LOT NORTH SERVICE ROAD GRIMSBY TOWN ON

Database:
SPL

Ref NO: 21033
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause:: OTHER CONTAINER LEAK
Incident Dt: 6/24/1989
Incident Reason:: OVERSTRESS/OVERPRESSURE
Incident Summary:: HAMILTON GMC-VOLVO - 100 L DIESEL FUEL TO GROUND.
MOE Reported Dt: 6/24/1989
Environmental Impact::
Nature of Impact::
Receiving Medium:: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 18402

Site: NIAGARA, REGIONAL MUNICIPALITY
BIGGAR LAGOON (GRIMSBY) WINSTON ROAD GRIMSBY TOWN ON

Database:
SPL

Ref NO: 102504
Contaminant Code:

Contaminant Name:
Contaminant Quantity:
Incident Cause:: PIPE/HOSE LEAK
Incident Dt: 7/9/1994
Incident Reason:: MATERIAL FAILURE
Incident Summary:: NIAGARA, GRIMSBY: FORCE MAIN BREAK, RAW SEWAGE , CREW ONSITE, QTY UKN
MOE Reported Dt: 7/9/1994
Environmental Impact:: POSSIBLE
Nature of Impact:: Soil contamination
Receiving Medium:: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 18402

Site: **Unknown<UNOFFICIAL>**
Winston Rd., Approx. 100 yards west of Hunter Rd. on the North side WINSTON ROAD, GRIMSBY<UNOFFICIAL>
Grimsby ON

Database:
SPL

Ref NO: 4486-6LNN3E
Contaminant Code: 15
Contaminant Name: Waste Oil
Contaminant Quantity: 14 L
Incident Cause:: Unknown
Incident Dt: 2/3/2006
Incident Reason:: Negligence (Apparent) - Caused by lack of diligence
Incident Summary:: Used oil spilled to storm ditch - approx. 14L - Grimsby
MOE Reported Dt: 2/3/2006
Environmental Impact:: Possible
Nature of Impact:: Soil Contamination; Surface Water Pollution
Receiving Medium:: Land & Water
SAC Action Class:
Sector Source Type: Other
Site Municipality: Grimsby

Site: **5TH WHEEL<UNOFFICIAL>** Grimsby ON

Database:
SPL

Ref NO: 3768-6TLTQH
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 60 L
Incident Cause::
Incident Dt: 9/13/2006
Incident Reason::
Incident Summary:: 5th Wheel: est 60L gas to ditch
MOE Reported Dt: 9/13/2006
Environmental Impact:: Possible
Nature of Impact:: Soil Contamination
Receiving Medium:: Land
SAC Action Class:
Sector Source Type: Service Station
Site Municipality: Grimsby

Site: **ROUST VEHICLES**
WESTBOUND QEW, BETWEEN MAPLE AND CHRISTIE, GRIMSBY TRANSPORT TRUCK (CARGO) GRIMSBY TOWN
ON

Database:
SPL

Ref NO: 1162
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause:: OTHER TRANSPORTATION ACCIDENT
Incident Dt: 3/13/1988
Incident Reason:: ADVERSE ROAD CONDITION
Incident Summary:: ROUST VEHICLES ACCIDENT- UNKNOWN QTY. DIESEL FUEL TO DITCH,CREEK,& L. ONT.

MOE Reported Dt: 3/13/1988
Environmental Impact:: POSSIBLE
Nature of Impact:: WATER COURSE OR LAKE
Receiving Medium:: LAND / WATER
SAC Action Class:
Sector Source Type:
Site Municipality: 18402

Site: PRIVATELY OWNED
QEW WEST OF GRIMSBY IN FRONT OF ANDRES WINES MOTOR VEHICLE (OPERATING FLUID) NIAGARA R.M.
ON

Database:
SPL

Ref NO: 18028
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause:: OTHER TRANSPORTATION ACCIDENT
Incident Dt: 5/4/1989
Incident Reason:: UNKNOWN
Incident Summary:: OPERATING FLUIDS TO QEW SHOULDER FROM CAR FIRE.
MOE Reported Dt: 5/4/1989
Environmental Impact::
Nature of Impact::
Receiving Medium:: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 18000

Site: NIAGARA, REGIONAL MUNICIPALITY
QEW EXPANSION ON SOUTH SERVICE RD, SOUTH OF GRIMSBY, AT CASSABLANCA ST SANITARY SEWER
SYSTEM/PUMPING STATION GRIMSBY TOWN ON

Database:
SPL

Ref NO: 113613
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause:: OTHER CAUSE (N.O.S.)
Incident Dt: 5/25/1995
Incident Reason:: DAMAGE BY MOVING EQUIPMENT
Incident Summary:: GRIMSBY WPCP: UNK QUANTITY OF RAW SEWAGE TO TRENCH. FORCE MAIN RUPTURED.
MOE Reported Dt: 5/25/1995
Environmental Impact:: POSSIBLE
Nature of Impact:: Soil contamination
Receiving Medium:: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 18402

Site: NIAGARA, REGIONAL MUNICIPALITY
SOUTH SERVICE ROAD SEWER SYSTEM/PUMPING STATION GRIMSBY TOWN ON

Database:
SPL

Ref NO: 92298
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause:: PIPE/HOSE LEAK
Incident Dt: 10/13/1993
Incident Reason:: ERROR
Incident Summary:: NIAGARA REGION: SEWAGE TO GROUND FROM RUPTURED SANITARY SEWER MAIN.
MOE Reported Dt: 10/13/1993
Environmental Impact:: POSSIBLE
Nature of Impact:: Soil contamination
Receiving Medium:: LAND
SAC Action Class:
Sector Source Type:

Site Municipality:

18402

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2016

Abandoned Mine Information System:

Provincial

[AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Oct 2014

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

Private

[AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: Oct 31, 2016

Borehole:

Provincial

[BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2014

Certificates of Approval:

Provincial

[CA](#)

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks:

Provincial [CFOT](#)

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Government Publication Date: Oct 31, 2016

Chemical Register:

Private [CHEM](#)

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: Oct 31, 2016

Compressed Natural Gas Stations:

Private [CNG](#)

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial [COAL](#)

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial [CONV](#)

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Nov 2016

Certificates of Property Use:

Provincial [CPU](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-Dec 2016

Drill Hole Database:

Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886-Aug 2015

Environmental Activity and Sector Registry:

Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Nov 2016

Environmental Registry:

Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Dec 2016

Environmental Compliance Approval:

Provincial **ECA**

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Nov 2016

Environmental Effects Monitoring:

Federal **EEM**

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private **EHS**

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System:

Federal **EIIS**

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance.

Government Publication Date: May 31, 2014

List of TSSA Expired Facilities:

Provincial **EXP**

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Oct 31, 2016

Federal Convictions:

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government.

Government Publication Date: June 2000-Oct 2015

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank:

Provincial **FST**

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Government Publication Date: Oct 31, 2016

Fuel Storage Tank - Historic:

Provincial **FSTH**

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial **GEN**

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Sep 2016

Greenhouse Gas Emissions from Large Facilities:

Federal **GHG**

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013 - Dec 2014

TSSA Historic Incidents:

Provincial **HINC**

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal **IAFT**

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial **INC**

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Oct 31, 2016

Landfill Inventory Management Ontario:

Provincial **LIMO**

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Dec 31, 2013

Canadian Mine Locations:

Private

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2016

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Wells:

Federal

NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-2014

Oil and Gas Wells:

Private

OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Jun 2016

Ontario Oil and Gas Wells:

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Oct 2016

Inventory of PCB Storage Sites:

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Dec 2016

Canadian Pulp and Paper:

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: 1988-Oct 2016

TSSA Pipeline Incidents:

Provincial PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Oct 31, 2016

Private and Retail Fuel Storage Tanks:

Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Dec 2016

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2013

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Dec 2016

Retail Fuel Storage Tanks:

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: Oct 31, 2016

Scott's Manufacturing Directory:

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Jan 2016

Wastewater Discharger Registration Database:

Provincial **SRDS**

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-2014

Anderson's Storage Tanks:

Private **TANK**

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal **TCFT**

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial **VAR**

The TSSA, under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

Government Publication Date: Oct 31, 2016

Waste Disposal Sites - MOE CA Inventory:

Provincial **WDS**

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: 1970-Nov 2016

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial **WDSH**

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial **WWIS**

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Jun 30, 2016

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



Appendix 'H'

1. T.S.S.A. Correspondence

Peter Markesic

From: Public Information Services <publicinformationservices@tssa.org>
Sent: February-23-17 9:16 AM
To: Peter Markesic
Subject: RE: Underground Fuel Tanks

Thank you for your inquiry.

I have searched the below noted address (addresses) and I have located the following record:

300 North Service Road, Grimsby has record of 1 active liquid fuel tank.

398 North Service Road, Grimsby has record of 6 active liquid fuel tanks and 1 active gas station.

For a more detailed report including underground fuel storage tank details and copies of all inspection reports, please submit your request in writing to Public Information Services via e-mail (publicinformationservices@tssa.org) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.



Suman Guram | Coordinator

Records
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-6203 | Fax: +1-416-231-6183 | E-Mail: sguram@tssa.org
www.tssa.org



From: Peter Markesic [mailto:pmarkesic@soil-mat.ca]
Sent: Wednesday, February 22, 2017 2:52 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Underground Fuel Tanks

Hi,

I'm looking for any records of underground fuel storage tanks located at the following addresses in the Town of Grimsby, Ontario:

300 North Service Road
320 North Service Road
398 North Service Road
432 North Service Road

2 Winston Road
357 South Service Road
359 South Service Road
361 South Service Road

Regards,

Peter Markesic, B.Sc.
Environmental Technician

SOIL-MAT ENGINEERS & CONSULTANTS LTD.

M: 905.719.9702 TF: 800.243.1922 www.soil-mat.com

HAMILTON: 130 Lancing Drive L8W 3A1 T: 905.318.7440 F: 905.318.7455

MILTON: PO Box 40012 Derry Heights PO L9T 7W4 T: 905.875.3228

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Appendix 'I'

1. Qualifications of Assessor



COMPANY BACKGROUND

SOIL-MAT ENGINEERS & CONSULTANTS LTD. [SOIL-MAT ENGINEERS] is a Canadian Consulting Engineering firm owned by its senior staff. Over the past thirty years the principals of SOIL-MAT ENGINEERS have undertaken geotechnical investigations in all areas of Hamilton and surrounding area and are familiar with the distinct geology of the area and therefore well-versed with the various soil, bedrock and groundwater conditions. SOIL-MAT ENGINEERS has a staff of over twenty-five engineers and technical staff who specialize in geotechnical assignments, environmental assessments, hydrogeological investigations and construction quality control/assurance projects. The company commenced operation on June 15, 1992 and has undertaken over 5,000 projects since its inception. The firm and all professional staff are in good standing with Professional Engineers Ontario. The company has maintained a current Certificate of Authorisation since it was granted on April 28, 1992. The firm's office and laboratory facilities are located at 130 Lancing Drive in Hamilton, Ontario.

REPORT AUTHORS

Peter Markesic, B.Sc.
Project Manager

Mr. Markesic has over seven years of experience in conducting Phase I ESA research and Phase II ESA fieldwork, including soil and groundwater sampling. Mr. Markesic has also been a key project member on a number of Phase III Environmental Site Assessment projects, including the decommissioning of underground fuel storage tanks and both in-situ and ex-situ remediation projects.

Ian Shaw, P. Eng.
[Director/ Senior Professional]

Mr. Shaw has over fourteen years of experience in the geotechnical and geo-environmental fields. Mr. Shaw has supervised the geotechnical investigations for the replacement/rehabilitation of bridge/culvert structures located within the Haldimand County, numerous residential and industrial subdivision projects, slope stability assignments associated with Hamilton Conservation Authority and Conservation Halton requirements, and several high rise developments in Hamilton, Burlington, Oakville, Brantford, St. Catharines, and Niagara Falls. Mr. Shaw has also been involved in numerous hydrogeological investigations, primarily within the City of Hamilton, associated with the development of residential and commercial subdivision projects. Some of Mr. Shaw's projects have included the decommissioning of underground and above ground fuel oil storage tanks, the implementation of in-situ and ex-situ remediation programmes and numerous 'dig and dump' remediation projects.



Keith Gleadall, B.A., EA Dipl.

Vice-President [Senior Professional]

Mr. Gleadall has over fourteen years of experience in conducting Phase I, II and III Environmental Site Assessments and has successfully completed the requirements of the Associated Environmental Site Assessors of Canada and a Post Graduate Diploma in Environmental Site Assessment from Niagara College. Mr. Gleadall is responsible for undertaking numerous hydrogeological investigations, primarily within the City of Hamilton, associated with the development of residential and commercial subdivision projects, together with Phase I, II and III Environmental Site Assessments. Projects have included the decommissioning of underground and above ground fuel oil storage tanks, the implementation of in-situ and ex-situ remediation programmes, the decommissioning of a former dry cleaning facility and numerous 'dig and dump' remediation projects.